



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1078969  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1078969

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Quinn 2-2
Doc ID	1078969

Tops

Name	Top	Datum
Anhydrite	1917	+369
Base Anhydrite	1948	+338
Topeka	3278	-992
Heebner	3480	-1194
Toronto	3504	-1218
Lansing	3523	-1237
Base Kansas City	3712	-1426
Marmaton	3756	-1470
Total Depth	3828	-1542

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

April 18, 2012

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

Re: ACO1  
API 15-065-23813-00-00  
Quinn 2-2  
NW/4 Sec.02-07S-22W  
Graham County, Kansas

Dear Production Department:

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

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

Respectfully,  
Jim R. Baird



# SWIFT



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



## Invoice

DATE	INVOICE #
3/15/2012	22027

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-2	Quinn	Graham	WW Drilling	Oil	Development	Cement Surface ...	Blaine

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	70	Miles	6.00	420.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)	1	Job	1,000.00	1,000.00
325	Standard Cement	150	Sacks	13.50	2,025.00T
278	Calcium Chloride	4	Sack(s)	40.00	160.00T
279	Bentonite Gel	3	Sack(s)	25.00	75.00T
290	D-Air	2	Gallon(s)	35.00	70.00T
581D	Service Charge Cement	150	Sacks	2.00	300.00
583D	Drayage	515.2	Ton Miles	1.00	515.20
	Subtotal				4,565.20
	Sales Tax Graham County			7.55%	175.92

R3/20/2012  
P3/20/2012  
Quinn 190402 4741.12  
Quinn 2-2 - Pump charge, cement  
& other misc used to cement  
surface casing

**We Appreciate Your Business!**

**Total**

\$4,741.12



Services, Inc.

CHARGE TO: **Baird O/I**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET No **22027**

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. **Ness City KS** WELL/PROJECT NO. **2-2** LEASE **Quinn** COUNTY/PARISH **Graham** STATE **KS** CITY **Hill City** DATE **15-march** OWNER  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR **WR** RIG NAME/NO.  
 3. WELL TYPE **2-1** WELL CATEGORY **Development** JOB PURPOSE **Cement surface pipe** SHIPPED VIA **CT** DELIVERED TO **location** ORDER NO.  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS **Development cement surface pipe** WELL PERMIT NO. **2-7-22W** WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					MILEAGE	70 mi					6.00	420.00
5765					Pump Charge	129					1000.00	129000.00
325					Stranded cement	150 SK					13.50	2025.00
278					Calcium Chloride	320 lb					4.00	1280.00
279					Bentonite gel	300 lb					2.50	750.00
290					D-41R	2 bag					35.00	70.00
581					Service charge	150 SK					2.00	300.00
583					Dayage	14720 lb					515.27M	7575.00

**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

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

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO

WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO

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

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL **4565.2**

Graham TAX **175.9**

TOTAL **4741.1**



**JOB LOG**

**SWIFT Services, Inc.**

DATE 15 MAR 12 PAGE NO. 1

CUSTOMER BAIRD 051 WELL NO. 2-2 LEASE Quinn JOB TYPE Cement surface pipe TICKET NO. 22027

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								150 sk. 2% gel 3% CC
								85' 24" casing 212'
	1700							on loc TRK 114
	1805							hook up - circulate
	1815	4 2/3	5				100	Pump 5 bbl H <sub>2</sub> O
		4 2/3	37				100	mix STD 2% 3% @ 14.7 ppg 150 sks
	1825	4 2/3	12 1/2				200	Displace w/ H <sub>2</sub> O
								cement to surface {30 sks to pit}
	1830							Kickout - 12 1/2 bbl flush
								shot in casing
								wash truck
								Rock up
	1900							job complete
								Thanks
								Brandon, Blaine & Dave



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



# Invoice

DATE	INVOICE #
3/22/2012	21265

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-2	Quinn	Graham	WW Drilling #8	Oil	Development	LongString	Nick

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	70	Miles	6.00	420.00
578D-L	Pump Charge - Long String - 3826 Feet	1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00T
280	Flocheck 21	500	Gallon(s)	2.50	1,250.00T
402-5	5 1/2" Centralizer	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	846.5	Ton Miles	1.00	846.50
	Subtotal				14,166.50
	Sales Tax Graham County			7.55%	824.46
	<p><i>R3/26/2012</i>  <i>P3/26/2012</i>  <i>Quinn 190402 14,990.96</i>  <i>Quinn 2-2 Pump charges, cement</i>  <i>&amp; other misc expenses used to cement</i>  <i>production casing</i></p>				

**We Appreciate Your Business!**

**Total**

\$14,990.96





Services, Inc.

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

TICKET No 21265

PAGE 1 OF 2

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

WELL/PROJECT NO. 2-2 LEASE Quinn COUNTY/PARISH Graham STATE KS DATE 3-22-12 OWNER Same  
 TICKET TYPE  SERVICE CONTRACTOR W W T S RIG NAME/NO.  
 WELL TYPE oil WELL CATEGORY Development JOB PURPOSE Long string SHIPPED VIA CH DELIVERED TO Location ORDER NO.  
 REFERRAL LOCATION INVOICE INSTRUCTIONS WELL PERMIT NO. WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT								
575					#111	70	mi			6.00	420.00
578				Pump Charge Longstring		1	hr	3826		1500.00	1500.00
221				Rec'd		2	gal			50.00	100.00
280				Flocheck 21		5	gal			25.00	125.00
402				Centralizers		1	ea	5 1/2"		70.00	70.00
403				Basket		1	ea			250.00	250.00
404				Part Collar		1	ea			2400.00	2400.00
406				LD Plug + Baffle		1	ea			250.00	250.00
407				Insert of Float Shoe w/ Fill		1	ea			350.00	350.00
411				Recipe Seratchers		30	ea			45.00	1350.00

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

DATE SIGNED 3-22-12 TIME SIGNED 2:15  A.M.  P.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

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	8590
Page 2	5526
Subtotal	14166
Graham TAX	824.4
TOTAL	14,990.9

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

SWIFT OPERATOR Mike Stokke APPROVAL Richard Ball

Thank You







JOB LOG

SWIFT Services, Inc.

DATE 3-22-12 PAGE NO. 1

CUSTOMER Baird Oil Co WELL NO. # 2-2 LEASE Quinn JOB TYPE Longstring TICKET NO. 21265

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1430							on loc w/FE
								RTD 3826'
								5 1/2" x 3825' x 22'
								Cent 1-10, 43
								Back 34
								Port Collar 34 @ 1936'
	1715							Start FE
	1900							Break Circ
	2020	2.5	7					Plug R.H. 30 sks 6% Poz 2% gel
	2025	5	0				150	Start KCL
	2027	5	10/0				150	Start Flocheck-21
	2029	5	12/0				150	Start KCL
	2031	6	10/0				200	Start 5% Poz 2% gel
	2032	6	5/0				200	Start Standard Cement 200sks
	2040		43					End Cement
								Wash P&L
								Drop LD Plug
	2045	6	0				200	Start Displacement
	2055	5	61				250	Catch Cement
	2100		90.5				550/400	Land Plug
								Release Pressure
								Float Held

Thank you

Mick, Josh F., Doug & Isaac



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



# Invoice

DATE	INVOICE #
3/27/2012	22130

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-2	Quinn	Graham	Bach Oil Production	Oil	Development	Cement Port Collar	Jason

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	70	Miles	6.00	420.00
576D-D	Pump Charge - Port Collar	1	Job	1,250.00	1,250.00
105	Port Collar Tool Rental With Man	1	Each	350.00	350.00T
276	Flocele	45	Lb(s)	2.00	90.00T
290	D-Air	2	Gallon(s)	35.00	70.00T
330	Swift Multi-Density Standard (MIDCON II)	180	Sacks	16.50	2,970.00T
581D	Service Charge Cement	200	Sacks	2.00	400.00
583D	Drayage	698.95	Ton Miles	1.00	698.95
	Subtotal				6,248.95
	Sales Tax Graham County			7.55%	262.74
	R3/29/2012				
	P3/29/2012				
	Quinn 190402 5925.26				
	Quinn 2-2 - Pump charge, cement + other misc. expenses used to cement port collar				
	Quinn 190402 586.43				
	Quinn 2-2 Rental of port collar + man when cementing port collar				

**We Appreciate Your Business!**

**Total**

\$6,511.69





CHARGE TO: BAIRD OIL Co.  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET No 22130

LEASE QUINN 2-2  
 COUNTY/PARISH GRAMM  
 STATE KS  
 CITY Hill City, KS

DATE 27 MAR 12  
 OWNER  
 PAGE 1 OF

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

WELL/PROJECT NO.  
 LEASE  
 CONTRACTOR BACH OIL PRODUCTION  
 RIG NAME/NO.  
 TICKET TYPE  
 SERVICE  
 SALES  
 WELL TYPE OIL  
 WELL CATEGORY DEVELOPMENT  
 JOB PURPOSE Cement Port Collar  
 INVOICE INSTRUCTIONS

STATE  
 SHIPPED VIA  
 DELIVERED TO  
 WELL PERMIT NO.  
 WELL LOCATION  
 8N16E, S20W

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					MILEAGE # 11D	70	mi				6.00	420.00
576D					Pump Charge	1	hrs				125.00	125.00
1DS					PORT COLLAR OPENING TOOL	1	hrs				350.00	350.00
276					FLOOZE	45	lbs				2.00	90.00
29D					D-AIR	2	hrs				35.00	70.00
33D					SWIFT MULT DENSITY	18	DSX				16.50	297.00
581					SERVICE CHARGE CEMENT	2	DSX				2.00	4.00
583					DRAYAGE	1997	lbs				698.95	1398.95

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

DATE SIGNED 27 MAR 12  
 TIME SIGNED 1230  
 A.M.  
 P.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

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 6248.95

Graham TAX 7.55%

TOTAL 6511.67

SWIFT OPERATOR: [Signature]  
 APPROVAL: [Signature]

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 27 MAR 2 PAGE NO.

CUSTOMER BAIRD OIL Co.

WELL NO.

LEASE QUINN 2-2

JOB TYPE CEMENT PORT COLLAR

TICKET NO. 22130

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0920							ON LOCATION PORT COLLAR @ 1934 TAKEY TUBING IN.
	1045				✓		1000	TEST - HELD
	1047	3			✓		250	OPEN PORT COLLAR TAKE INS. RATE
	1051	4	100	✓		400		MIX 180SX SMD
		3	10	✓		200		DISPLACE CEMENT CIRCULATE 20SX TO PIT
	1121				✓		1000	CLOSE PORT COLLAR - TEST - HELD
	1127							RUN 4 JS.
	1131	3	21		✓		300	REVERSE CEMENT OUT OF TUBING
	1138							WASH TRUCK
	1220							JOB COMPLETE
								THANKS #110
								JASON JEFF DOWG

API #15-065-23813-00-00

GEOLOGICAL REPORT  
DRILLING TIME AND SAMPLE LOG

COMPANY Baird Oil Company, LLC  
 LEASE Quinn # 2-2  
 FIELD Last Hope Northeast  
 LOCATION 330' ENL + 1330' FWL  
 SEC 2 TWSP 7s RGE 22W  
 COUNTY Graham STATE Kansas

ELEVATION  
 KB 2286'  
 DF 2284'  
 GL 2281'  
 Depths Measured From  
 Log KB Drilling KB

CONTRACTOR W.W. Drilling Rig # 8  
 SPUD 3-15-12 COMP 3-22-12  
 SAMPLES SAVED FROM 3250' TO R.T.D.

CASING  
 Surface 8 5/8" @ 212'  
 Production 5 1/2" @ 3819'  
 ELECTRIC LOGS  
 Superior Well Services

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
				●			
Anhydrite	1919	1917 +	369	+ 362			
Base Anhydrite	1948	1948 +	338	+ 329			
Topeka	3275	3278 -	992	- 993			
Heebner	3478	3480 -	1194	- 1196			
Toronto	3502	3504 -	1218	- 1219			
Lansing	3520	3523 -	1237	- 1236			
Base Kansas City	3710	3712 -	1426	- 1424			
Marmaton	3753	3756 -	1470	- 1467			
Total Depth	3826	3828 -	1542	- 1539			

REFERENCE WELLS

A Baird Oil Company, LLC, #1 Quinn, 330' ENL + 2100' FWL Sec. 2-7s-22W

B

C

D

Port Collar @ 1934'



REMARKS

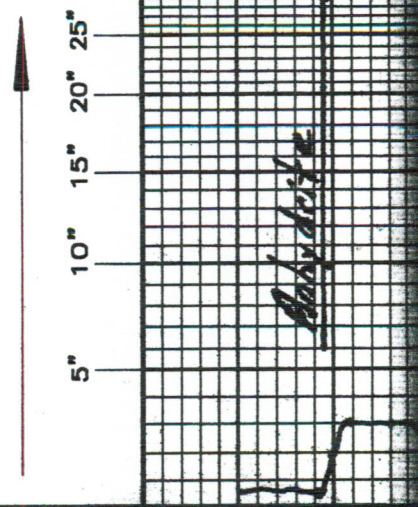
This well ran 1 foot lower on the Lansing top than the reference well. Due to the favorable structural position and encouraging D.S.T. results, it was decided production casing would be cemented to further test the well. The following zones should be tested; 3706'-3707', 3678'-3680', 3649'-3650', 3553'-3556', 3523'-3525' and 3504'-3507'.  
 Richard B. Bell  
 3-23-12

7502

LEGEND

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

DRILLING TIME IN MINUTES  
 PER FOOT  
 Rate of Penetration Decreases



LOG 7710

DEPTH

1900

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS



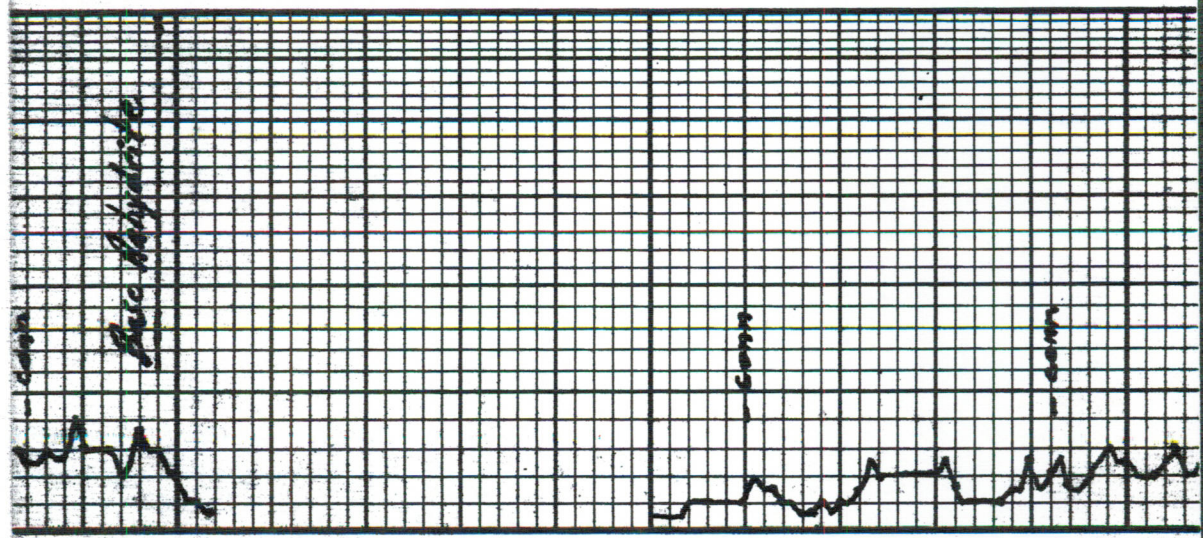


1950

3100

20

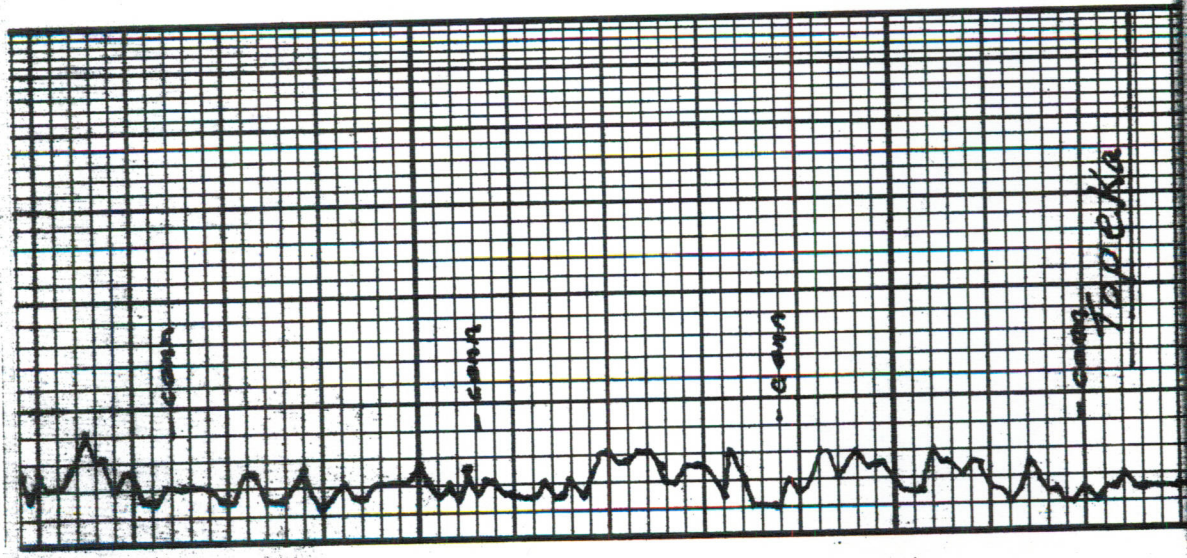
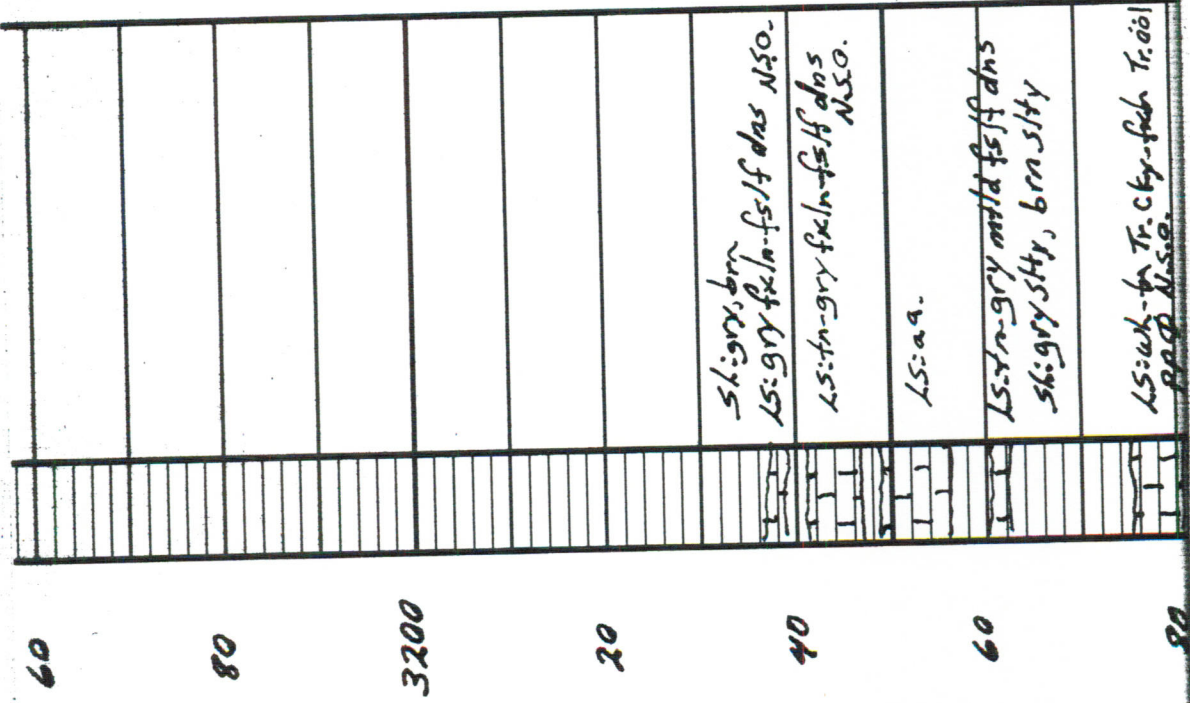
40



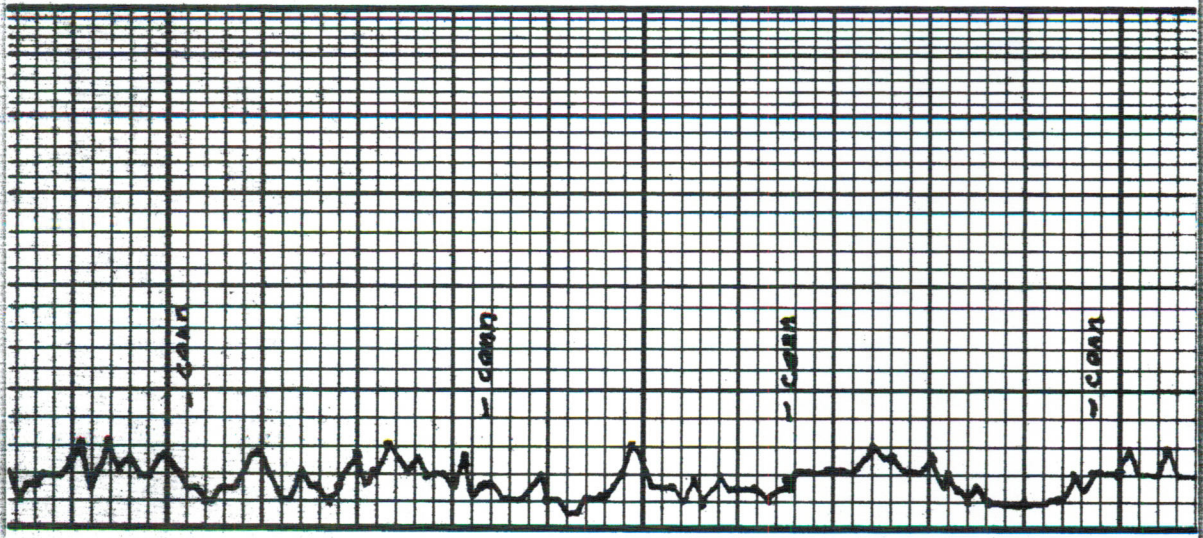


Samples are logged  
good samples

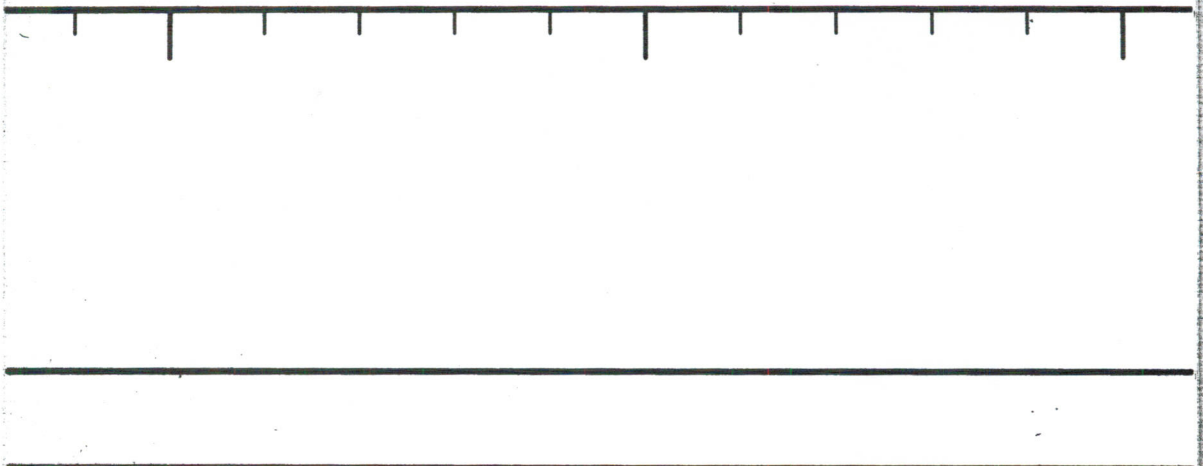
Attempted DST #1  
3509 L 3532. Could not  
get tool below 3222.  
Pulled tool and  
reconditioned hole.







3300	LS: wh. sh. - sh. v. cky - feln. d. l. - f. l. - incl. - pp. - sh: brn, gry LS: sh. - gry mild f. l. d. s.
20	LS: wh. sh. cky - f. l. d. s. N. S. O. sh: gry, brn
40	sh: gry
60	LS: wh. sh. - gry cky - f. l. d. s. N. S. O.
80	LS: wh. sh. v. cky - f. l. d. s. sh: wh. tr LS: gry f. l. d. s.
3400	LS: wh. sh. cky - f. l. d. s. A. W. L. Tr. blk. carb. sh. LS: sh. - gry mild f. l. d. s. sh: brn sly
	LS: wh. sh. f. l. d. s. N. S. O.
	LS: wh. sh. - sh. gry Tr. cky - f. l. d. s.



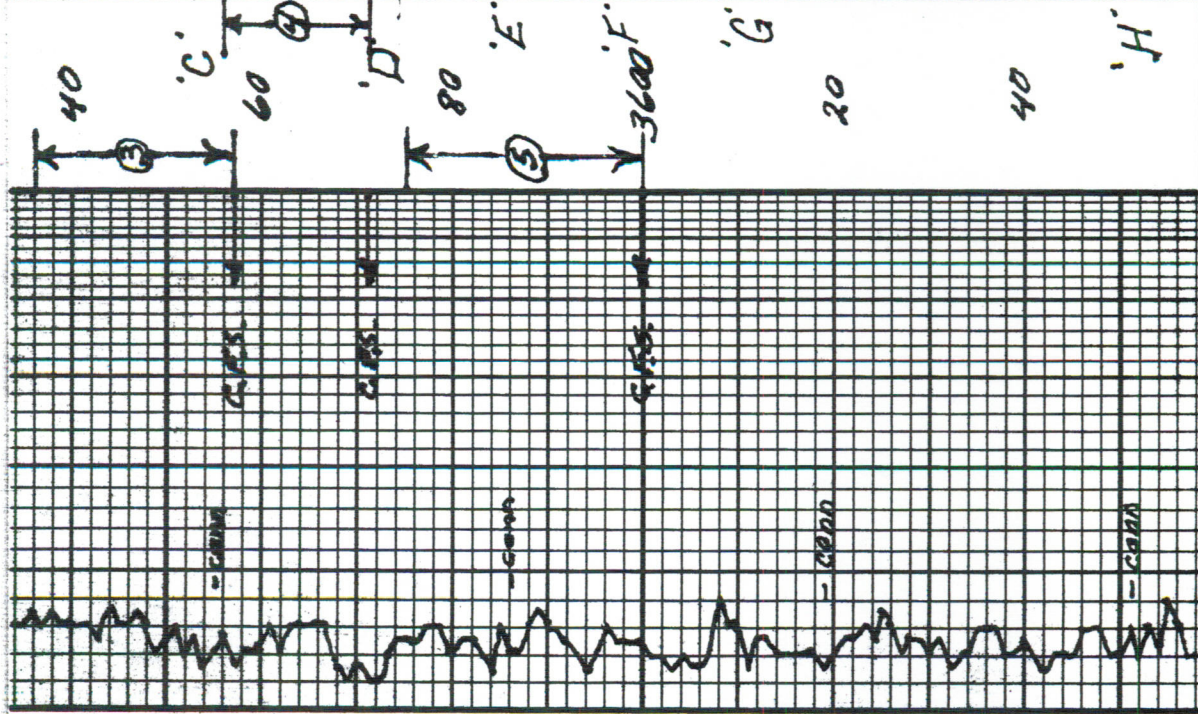






BHP: 54-53 #  
 BH Temp: 104°F  
 gravity: 31° A.P.I.  
 DST #3 3536'-3557'  
 15-45 -30-45  
 IF: B.O.B. in 2 min  
 JAF: B.O.B. in 12 min  
 FF: B.O.B. in 1 min.  
 FSI: B.O.B. in 8 min.  
 Recovery: 100' G.I.P.  
 1198 Total Fluid  
 20' G. 307 G 70% O  
 620' G. 102 G 90% O  
 279' G. 102 G 102% G 3% O  
 60% w, 27% m  
 279' gmcw 5% g,  
 85% w, 10% m  
 Hyd: 1749-1683 #  
 FP: 87-241/264-439 #  
 BHP: 892 - 879 #  
 BH Temp: 117°F  
 gravity: 31.9° A.P.I.  
 DST #4 3656'-3571'  
 30-30-30-30  
 IF: B.O.B. in 4 min.  
 FF: B.O.B. in 6 min.  
 Recovery: 1456' Total  
 30' G.O.I  
 1426' wtr.  
 Hyd: 1801-1709 #  
 FP: 53-341/348-552 #  
 BHP: 920 - 917 #  
 BH Temp: 118°F

sh: brn, gry  
 LS: wh to blk oil in part of  
 f. O sat pp f. e strong odor  
 aty th - gry  
 Dali wh to blk - carb x la  
 in ln φ fr. drk O sat pp f. o.  
 aty th - gry  
 LS: wh to sli. cky - blk oil  
 w pass inclus. fr. sptd O str  
 fr pp f. o. no odor  
 LS: wh to blk oil w pass  
 inclus. in part of ht sptd O.  
 str fr. fr O sat pp f. o.  
 LS: wh to cky - blk in gels  
 sli. oil pr. in part of fr. ht.  
 edge str N.F.O.  
 LS: wh to cky - blk in dns  
 Sh: blk Carb gry  
 LS: th - gry mtd - ps f dns  
 LS: wh to blk to top of  
 isol. vugs fr. fr sptd O  
 str



- conn  
 - conn  
 - conn  
 - conn

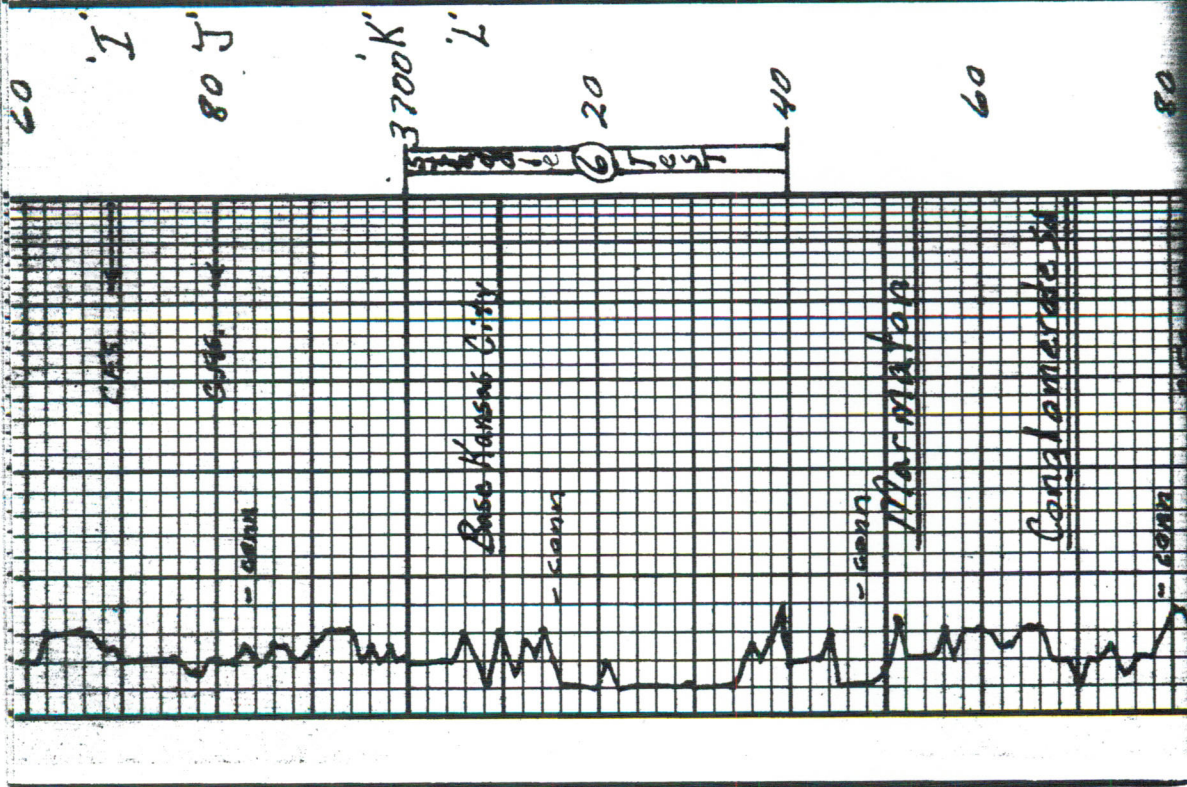


DST#5 3525'-3600'  
 45-45-45-45  
 IF: wk blow incr. to 7"  
 FF: wk blow incr. to 2 1/2"  
 Recovery: 187' Total  
 1' O.I.  
 22' MW 80% W, 20% M  
 124' MW 95% W, 5% M  
 Hyd: 1790-1729#  
 FP: 18-95/121 Plugged  
 BHP: 387-392#  
 BH Temp: 111°F

Straddle Test  
 DST#6 3700-3740'  
 30-30-30-45  
 IF: B.O.B. in 30 min.  
 FF: wk blow incr. to 2 1/2"  
 Recovery: 134' Total  
 10' O.C.M 30% O, 70% M  
 124' MW 70% W, 30% M  
 Hyd: 1890-1878#  
 FP: 56-99/105-114#  
 BHP: 192-169#  
 BH Temp: 116°F

Had trouble coming off bottom after the straddle test. Stuck for awhile

Sh: brn, gry	LS: whtn fxl n- sli: fslf tr. vgy f. cl. spid. str N.F.O.	60	60
LS: whtn fxl n ool in part	Tr. vgy f. Lt. ostr pp F.O. fr. odor	80	80
LS: whtn fxl n- sli: fslf tr. ool w/ sli: fass inclus. Lt. spid. str N.F.O.	LS: whtn sli: cky fxl n ool w/ fass inclus. vgy f. drk brn F.O. fr. spid. str	3700	3700
Sh: brn, gry	shly: brn sly	20	20
LS: tn- yel fxl n- sli: fslf drk N.S.O.	shly: brn, gry	40	40
LS: whtn sli: cky- fslf pr. pp N.S.O.	Sh: brn, gry	60	60
LS: whtn fxl n vgy edges Lt. str F.O.	SS: cl- gry fngn consol. fr. O. sat Tr. bleeding F.O.	80	80





✓

ls: wh-tn fs lf vgy φ  
drk brn F.O.

shly: brn sHy

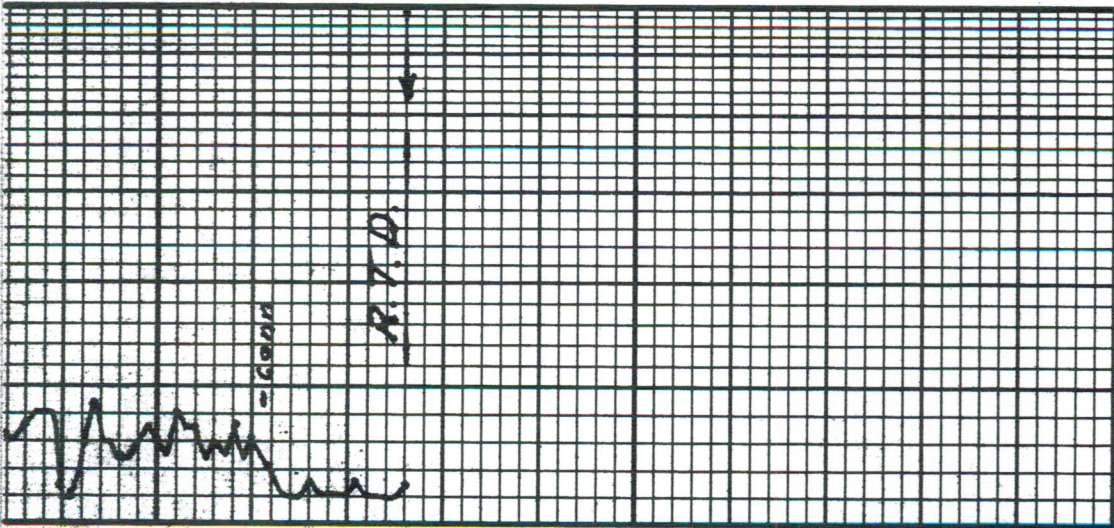
sh: brn, mar, gny, gvn  
A-TN-OY



3800

20

40





## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

**Quinn #2-2**

**2-7s-22w Graham Ks.**

Start Date: 2012.03.18 @ 21:25:00

End Date: 2012.03.19 @ 00:21:30

Job Ticket #: 45585                      DST #: 1

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

Printed: 2012.04.05 @ 09:28:39



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Company  
PO Box 428  
Logan KS 67646  
ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
Job Ticket: 45585      **DST#: 1**  
Test Start: 2012.03.18 @ 21:25:00

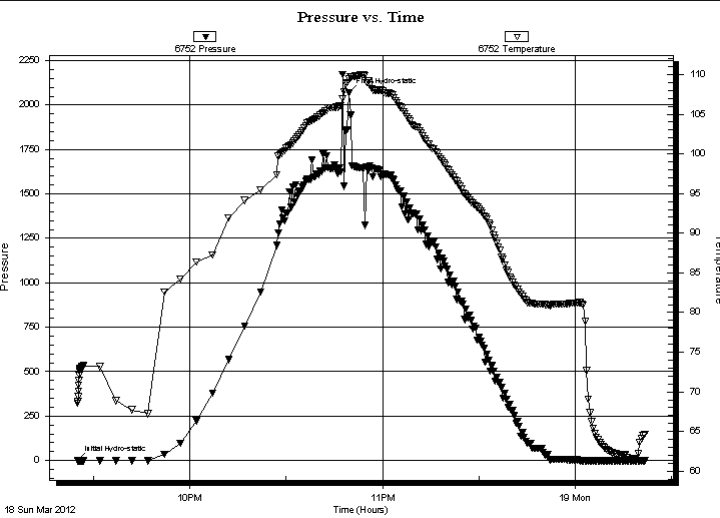
## GENERAL INFORMATION:

Formation: **LKC-A**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 22:48:00  
Time Test Ended: 00:21:30  
Interval: **3509.00 ft (KB) To 3532.00 ft (KB) (TVD)**  
Total Depth: 3532.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Chuck Kreuzer Jr.  
Unit No: 61  
Reference Elevations: 2286.00 ft (KB)  
2281.00 ft (CF)  
KB to GR/CF: 5.00 ft

## Serial #: 6752      Inside

Press @ Run Depth:                      psig @ 3510.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.03.18      End Date: 2012.03.19      Last Calib.: 2012.03.19  
Start Time: 21:25:05      End Time: 00:21:30      Time On Btm: 2012.03.18 @ 21:25:05  
Time Off Btm: 2012.03.18 @ 22:49:30

TEST COMMENT: Couldnt get tool to bottom. .300ft. from bottom



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	-1.58	68.59	Initial Hydro-static
85	2068.47	109.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45585

**DST#: 1**

ATTN: Rich Bell

Test Start: 2012.03.18 @ 21:25:00

## Tool Information

Drill Pipe:	Length: 3393.00 ft	Diameter: 3.80 inches	Volume: 47.59 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: 35000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 48.20 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	36.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3509.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 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
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3486.00	
Hydraulic tool	5.00			3491.00	
Jars	5.00			3496.00	
Safety Joint	3.00			3499.00	
Packer	5.00			3504.00	28.00 Bottom Of Top Packer
Packer	5.00			3509.00	
Stubb	1.00			3510.00	
Recorder	0.00	6752	Inside	3510.00	
Recorder	0.00	6741	Outside	3510.00	
Perforations	19.00			3529.00	
Bullnose	3.00			3532.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 51.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Baird Oil Company  
PO Box 428  
Logan KS 67646  
ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
Job Ticket: 45585      **DST#: 1**  
Test Start: 2012.03.18 @ 21:25:00

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 94.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl

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



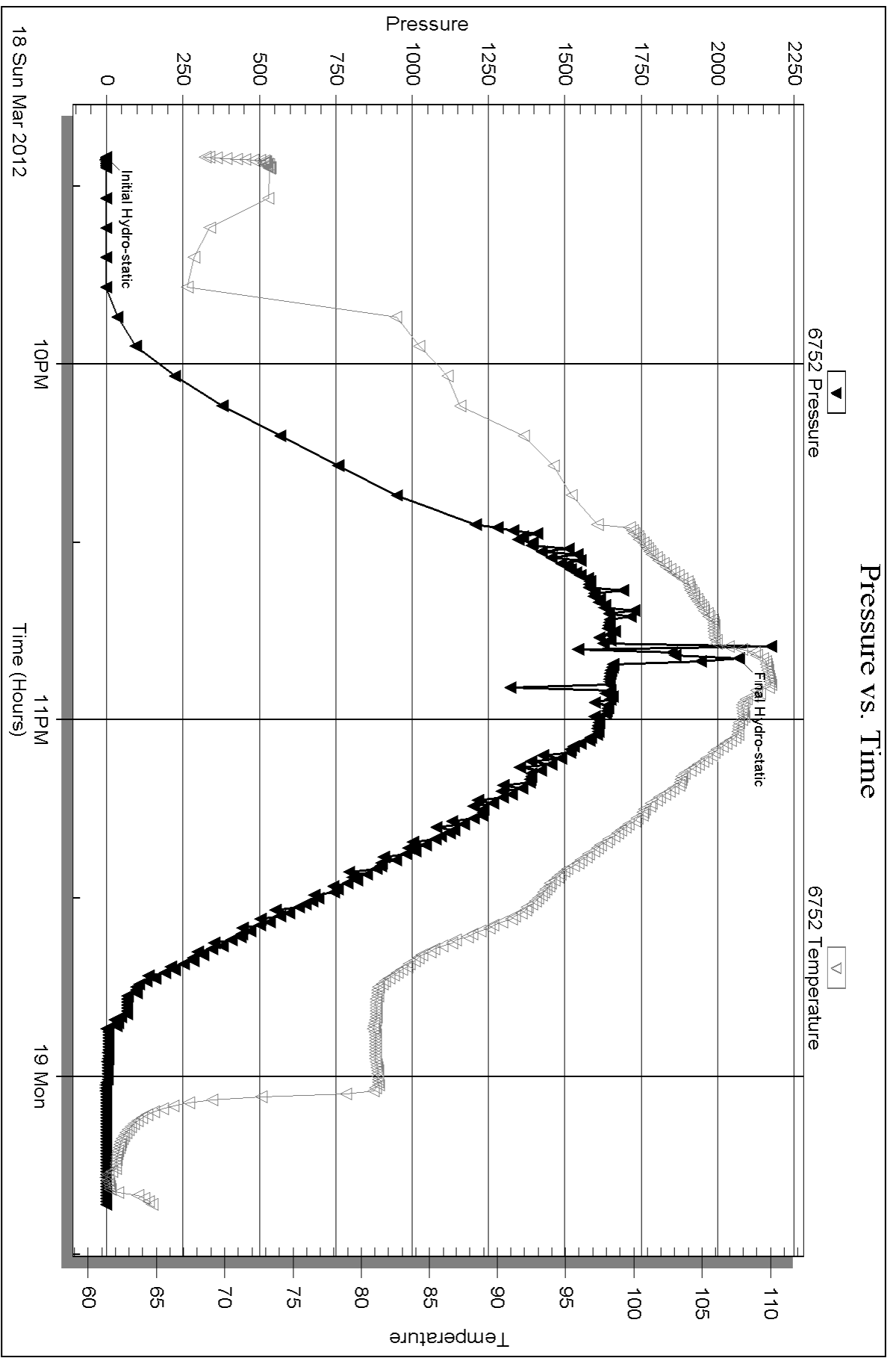
Serial #: 6752

Inside

Baird Oil Company

Quinn #2-2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 45585

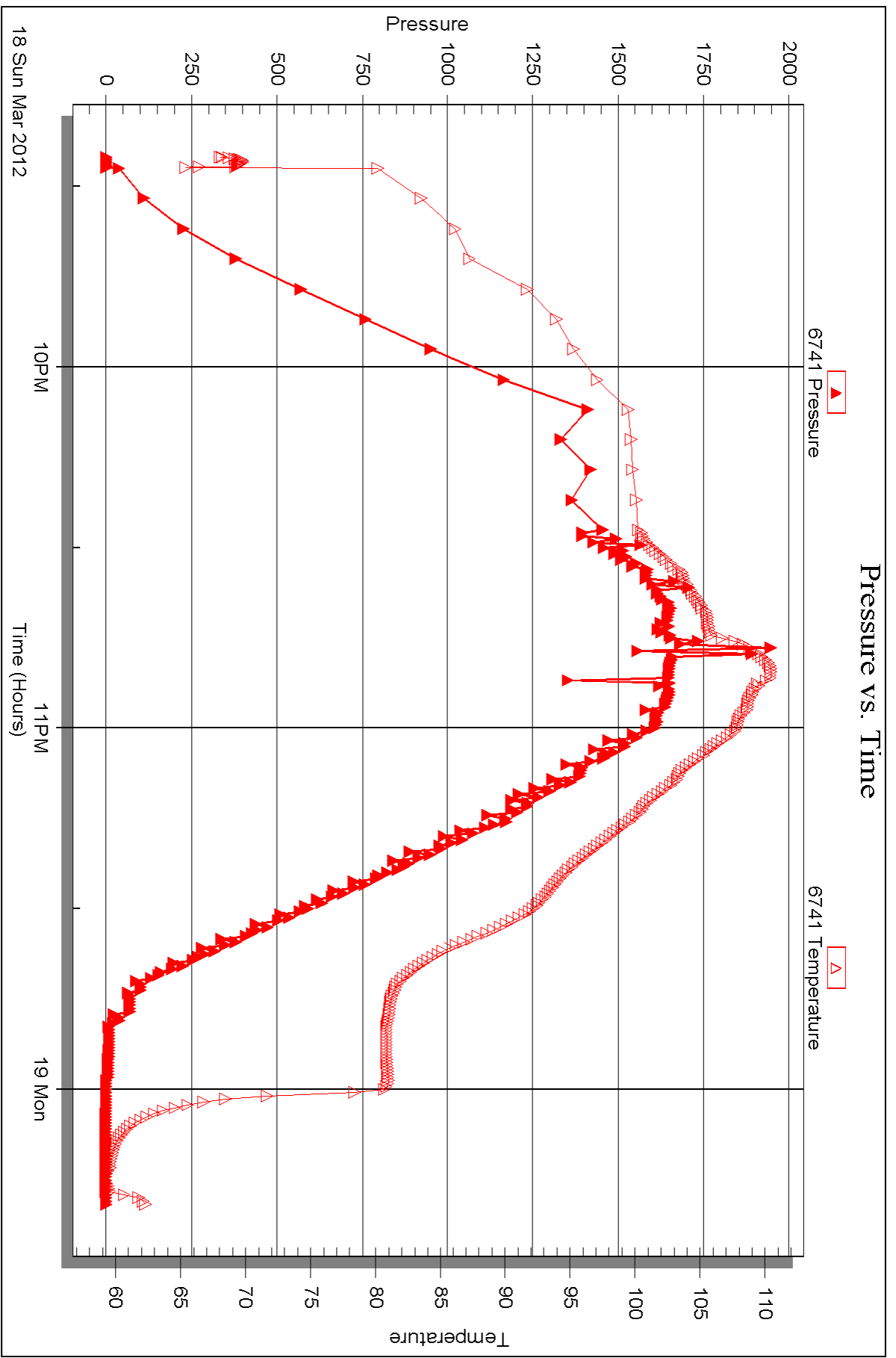
Printed: 2012.04.05 @ 09:28:43

Serial #: 6741

Outside Baird Oil Company

Quinn #2-2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 45585

Printed: 2012.04.05 @ 09:28:44



## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

**Quinn #2-2**

**2-7s-22w Graham Ks.**

Start Date: 2012.03.19 @ 09:00:00

End Date: 2012.03.19 @ 15:14:30

Job Ticket #: 45586                      DST #: 2

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

Printed: 2012.04.05 @ 09:27:37







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45586

**DST#: 2**

ATTN: Rich Bell

Test Start: 2012.03.19 @ 09:00:00

## Tool Information

Drill Pipe:	Length: 3395.00 ft	Diameter: 3.80 inches	Volume: 47.62 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	52000.00 lb
			<u>Total Volume: 48.23 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3509.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	43.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Shut In Tool	5.00			3494.00	
Hydraulic tool	5.00			3499.00	
Packer	5.00			3504.00	20.00 Bottom Of Top Packer
Packer	5.00			3509.00	
Stubb	1.00			3510.00	
Recorder	0.00	6752	Inside	3510.00	
Recorder	0.00	6741	Outside	3510.00	
Perforations	19.00			3529.00	
Bullnose	3.00			3532.00	23.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>43.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45586

**DST#: 2**

ATTN: Rich Bell

Test Start: 2012.03.19 @ 09:00:00

### 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: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
62.00	gmco-5%g35%m60%o	0.305
20.00	go-30%g70%o	0.098

Total Length: 82.00 ft      Total Volume: 0.403 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 32@70\*=31

Serial #: 6752

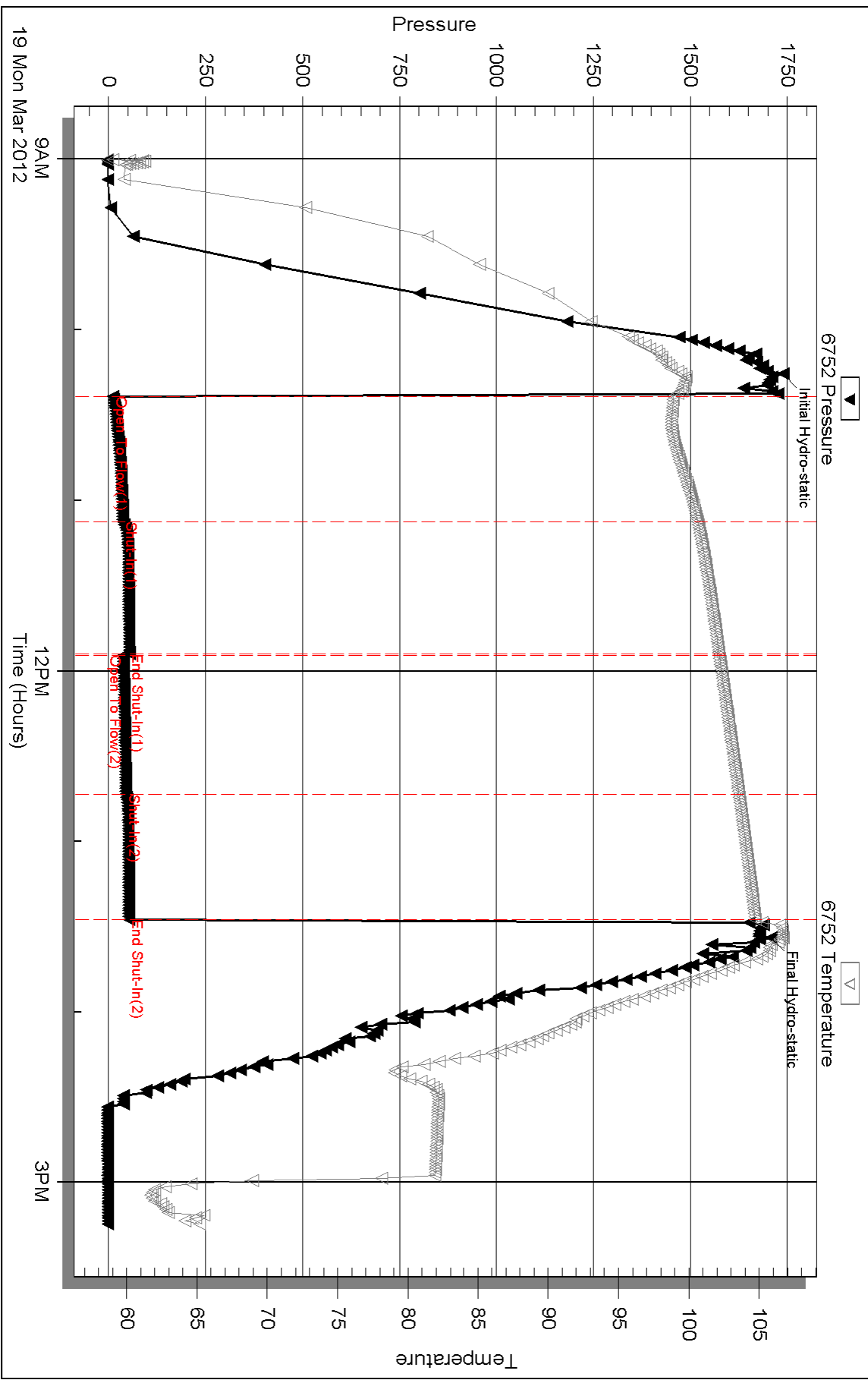
Inside

Baird Oil Company

Quinn #2-2

DST Test Number: 2

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45586

Printed: 2012.04.05 @ 09:27:39

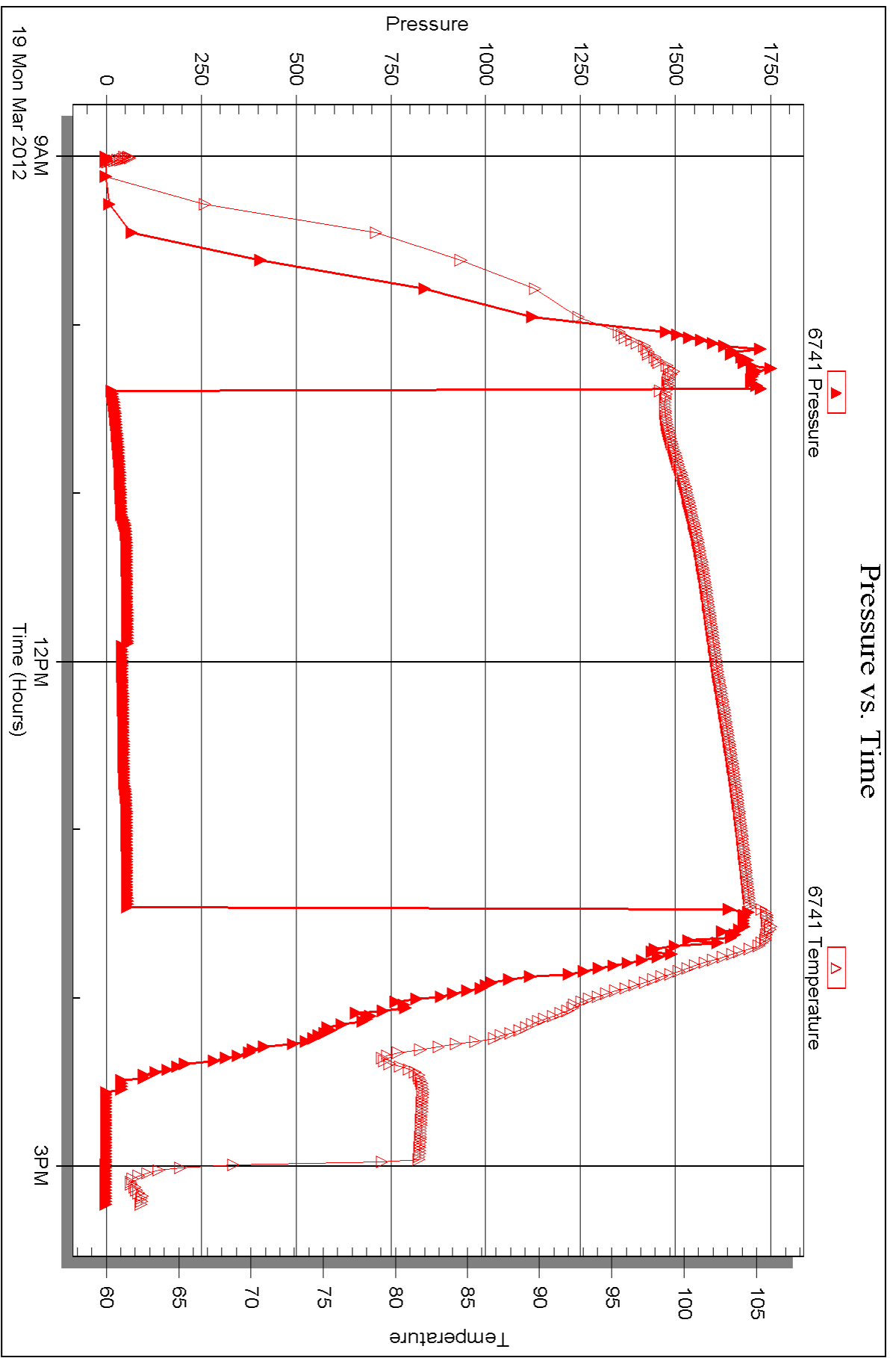


Serial #: 6741

Outside Baird Oil Company

Quinn #2-2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 45586

Printed: 2012.04.05 @ 09:27:40



## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

**Quinn #2-2**

**2-7s-22w Graham Ks.**

Start Date: 2012.03.19 @ 20:45:00

End Date: 2012.03.20 @ 03:23:00

Job Ticket #: 45587                      DST #: 3

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

Printed: 2012.04.05 @ 09:26:36



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Company  
 PO Box 428  
 Logan KS 67646  
 ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
 Job Ticket: 45587      **DST#: 3**  
 Test Start: 2012.03.19 @ 20:45:00

## GENERAL INFORMATION:

Formation: **LKC-C**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:18:30  
 Time Test Ended: 03:23:00  
 Interval: **3536.00 ft (KB) To 3557.00 ft (KB) (TVD)**  
 Total Depth: 3532.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Kreuzer Jr.  
 Unit No: 61  
 Reference Elevations: 2286.00 ft (KB)  
 2281.00 ft (CF)  
 KB to GR/CF: 5.00 ft

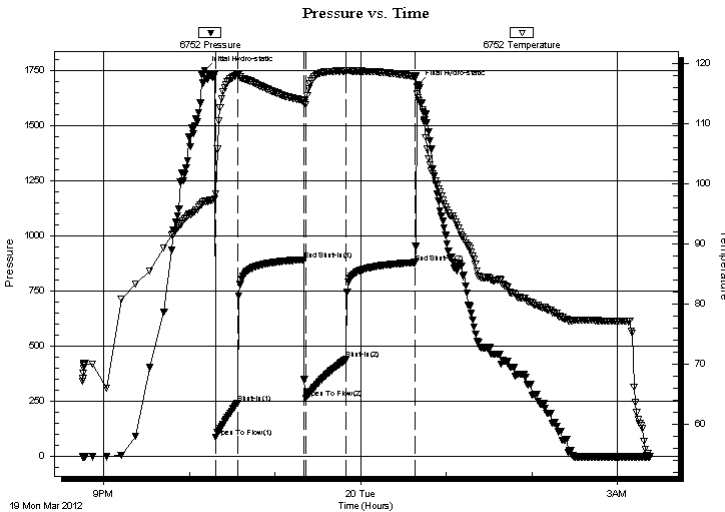
## Serial #: 6752

Inside

Press @ Run Depth: 438.75 psig @ 3537.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.03.19      End Date: 2012.03.20      Last Calib.: 2012.03.20  
 Start Time: 20:45:05      End Time: 03:22:59      Time On Btm: 2012.03.19 @ 22:10:30  
 Time Off Btm: 2012.03.20 @ 00:40:00

**TEST COMMENT:** IF: Strong blow, Built to B.O.B in 2 mins.  
 IS: strong blow back, Built to B.O.B in 12 mins.  
 FF: Strong blow, Built to B.O.B in 1 mins.  
 FS: Blow back, built to B.O.B in 8 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1748.94	97.23	Initial Hydro-static
8	86.70	98.41	Open To Flow (1)
23	241.43	118.14	Shut-In(1)
70	891.50	113.82	End Shut-In(1)
71	263.92	113.17	Open To Flow (2)
99	438.75	118.77	Shut-In(2)
148	878.59	117.86	End Shut-In(2)
150	1682.52	114.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
279.00	gmcw -5%g10%m85%w	2.78
279.00	gmcw -10%g3%o27%m60%w	3.91
620.00	go-10%g90%o	8.70
20.00	GO-10%g90%o	0.28
0.00	100 ft. gas in pipe	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45587

**DST#: 3**

ATTN: Rich Bell

Test Start: 2012.03.19 @ 20:45:00

## Tool Information

Drill Pipe:	Length: 3424.00 ft	Diameter: 3.80 inches	Volume: 48.03 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.64 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3536.00 ft			Final 53000.00 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
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3521.00	
Hydraulic tool	5.00			3526.00	
Packer	5.00			3531.00	20.00 Bottom Of Top Packer
Packer	5.00			3536.00	
Stubb	1.00			3537.00	
Recorder	0.00	6752	Inside	3537.00	
Recorder	0.00	6741	Outside	3537.00	
Perforations	17.00			3554.00	
Bullnose	3.00			3557.00	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 Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45587

**DST#: 3**

ATTN: Rich Bell

Test Start: 2012.03.19 @ 20:45:00

## 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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
279.00	gmcw -5%g10%m85%w	2.784
279.00	gmcw -10%g3%o27%m60%w	3.914
620.00	go-10%g90%o	8.697
20.00	GO-10%g90%o	0.281
0.00	100 ft. gas in pipe	0.000

Total Length: 1198.00 ft      Total Volume: 15.676 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 32@71\*=31.9

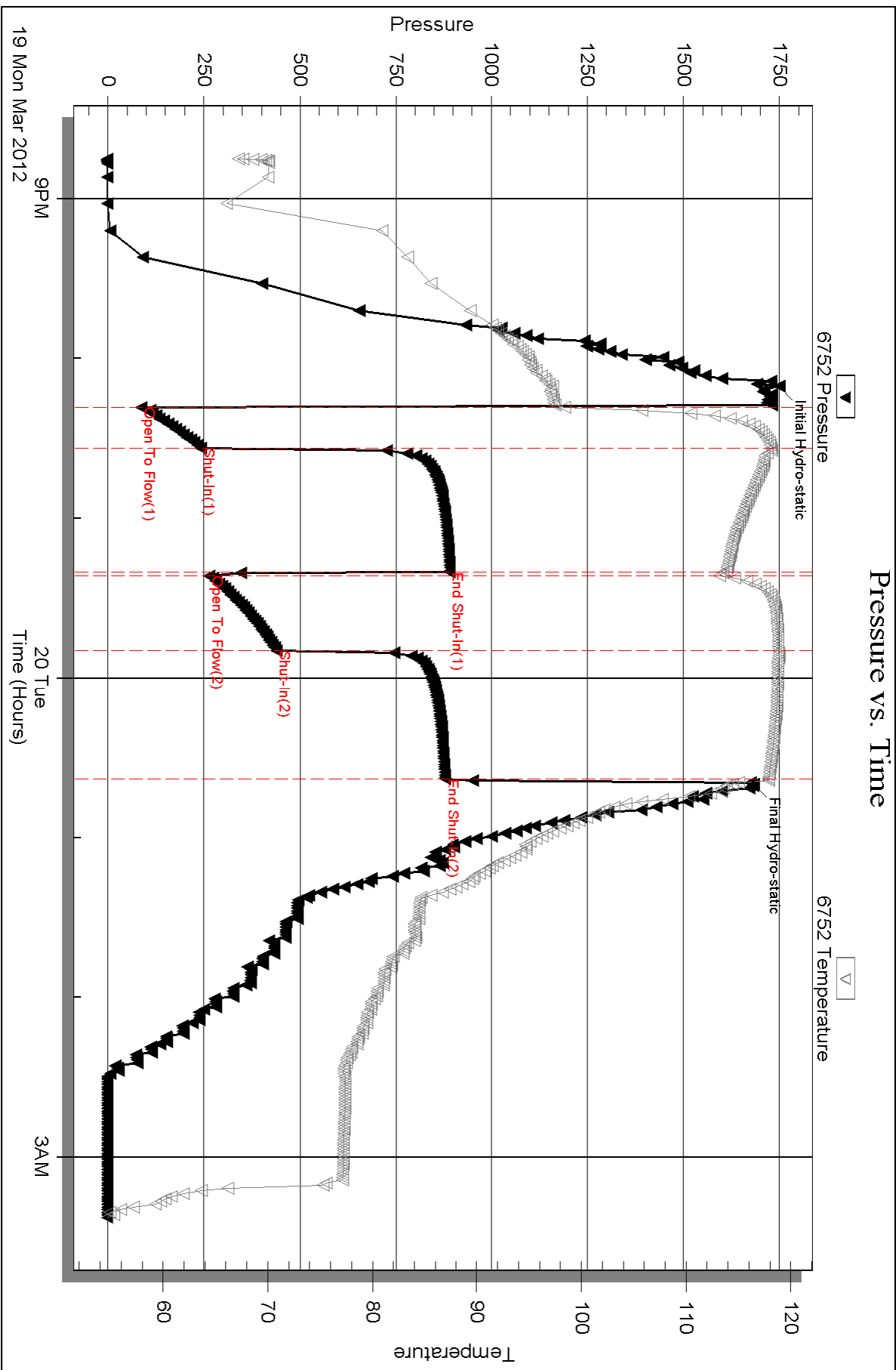
Serial #: 6752

Inside

Baird Oil Company

Quinn #2-2

DST Test Number: 3

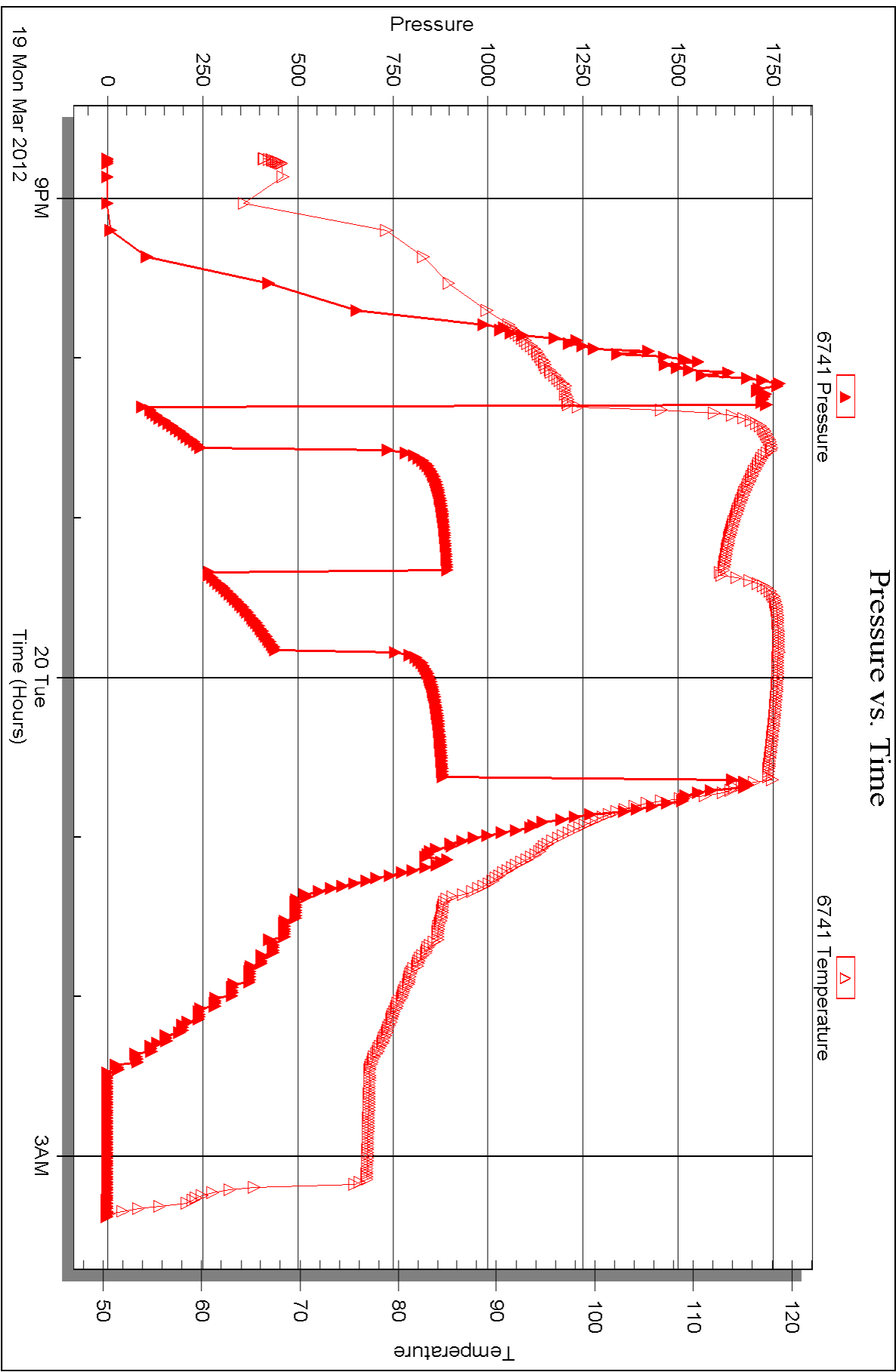


Serial #: 6741

Outside Baird Oil Company

Quinn #2-2

DST Test Number: 3







## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

### **Quinn #2-2**

#### **2-7s-22w Graham Ks.**

Start Date: 2012.03.20 @ 09:15:00

End Date: 2012.03.20 @ 14:54:00

Job Ticket #: 45588                      DST #: 4

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

Printed: 2012.04.05 @ 09:25:34



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Company  
PO Box 428  
Logan KS 67646  
ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
Job Ticket: 45588      **DST#: 4**  
Test Start: 2012.03.20 @ 09:15:00

## GENERAL INFORMATION:

Formation: **LKC-D**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 10:36:30  
Time Test Ended: 14:54:00  
Interval: **3556.00 ft (KB) To 3571.00 ft (KB) (TVD)**  
Total Depth: 3571.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Chuck Kreuzer Jr.  
Unit No: 61  
Reference Elevations: 2286.00 ft (KB)  
2281.00 ft (CF)  
KB to GR/CF: 5.00 ft

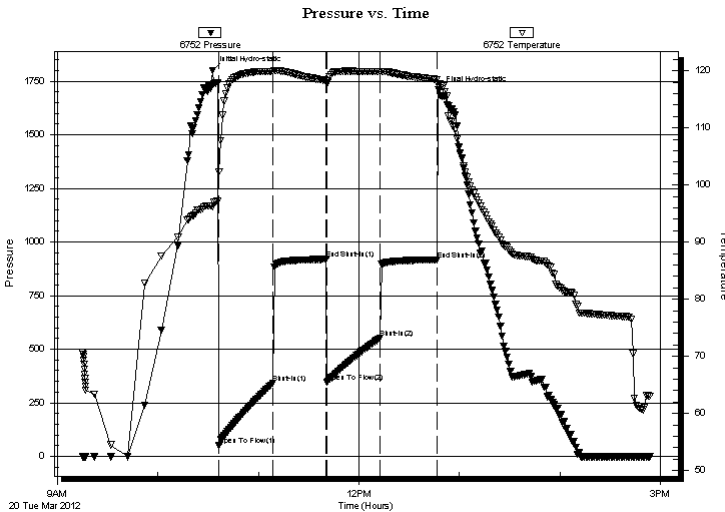
## Serial #: 6752

Inside

Press @ Run Depth: 551.89 psig @ 3557.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2012.03.20 End Date: 2012.03.20 Last Calib.: 2012.03.20  
Start Time: 09:15:05 End Time: 14:53:59 Time On Btm: 2012.03.20 @ 10:32:30  
Time Off Btm: 2012.03.20 @ 12:47:30

TEST COMMENT: IF: Strong blow , Built to B.O.B in 4 mins.  
IS: No blow  
FF: Strong blow , Built to B.O.B in 6 mins.  
FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1800.70	96.23	Initial Hydro-static
4	52.95	102.31	Open To Flow (1)
36	340.53	119.89	Shut-In(1)
68	919.97	118.26	End Shut-In(1)
69	347.81	117.83	Open To Flow (2)
100	551.89	119.81	Shut-In(2)
134	917.39	118.45	End Shut-In(2)
135	1708.63	117.51	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1426.00	WATER	18.87
30.00	OIL	0.42

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45588

**DST#: 4**

ATTN: Rich Bell

Test Start: 2012.03.20 @ 09:15:00

## Tool Information

Drill Pipe:	Length: 3426.00 ft	Diameter: 3.80 inches	Volume: 48.06 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.67 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3556.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

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	5.00			3556.00	
Stubb	1.00			3557.00	
Recorder	0.00	6752	Inside	3557.00	
Recorder	0.00	6741	Outside	3557.00	
Perforations	11.00			3568.00	
Bullnose	3.00			3571.00	15.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>35.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45588

**DST#: 4**

ATTN: Rich Bell

Test Start: 2012.03.20 @ 09:15:00

## 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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1426.00	WATER	18.873
30.00	OIL	0.421

Total Length: 1456.00 ft      Total Volume: 19.294 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

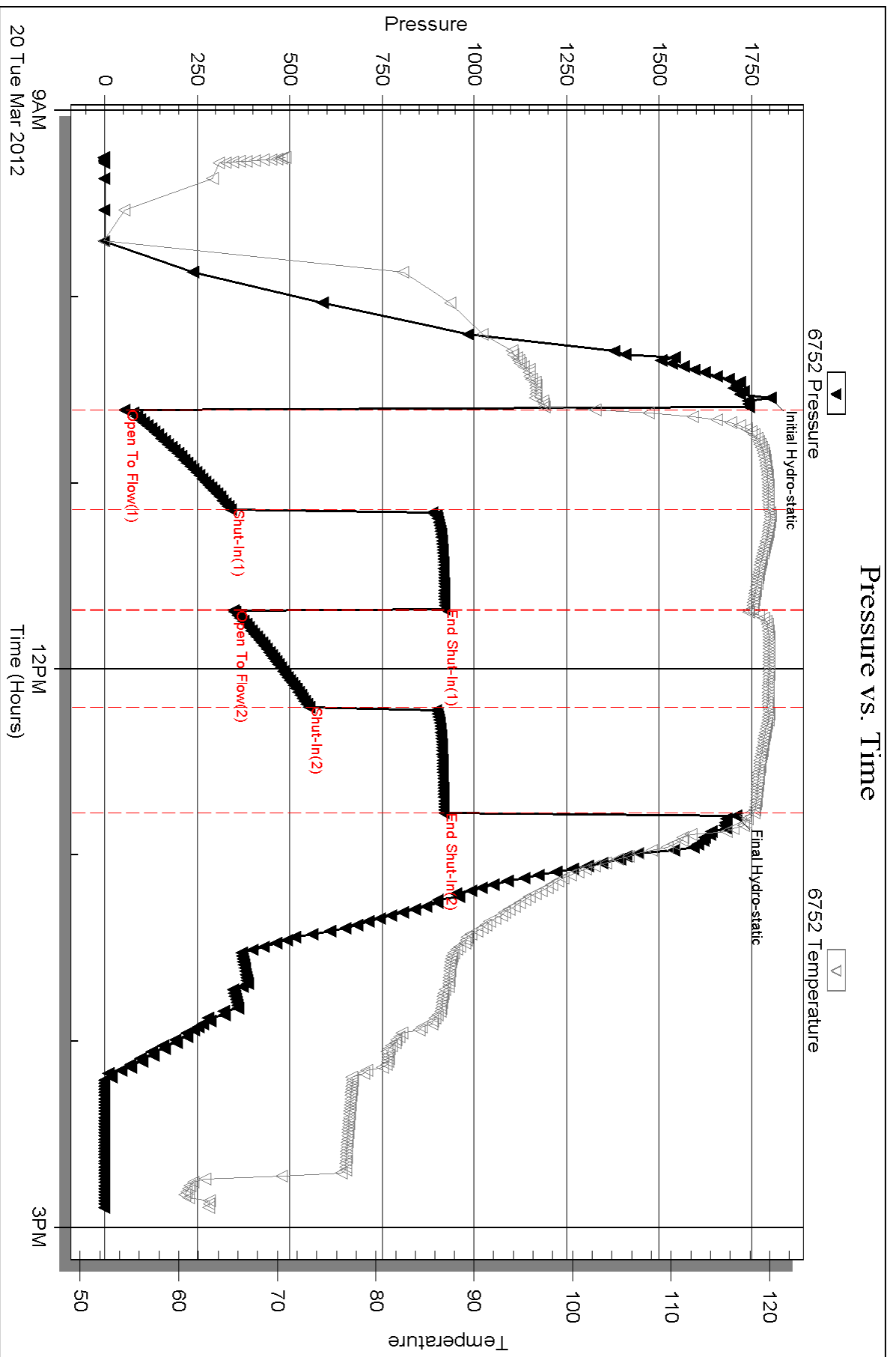
Serial #: 6752

Inside

Baird Oil Company

Quinn #2-2

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 45588

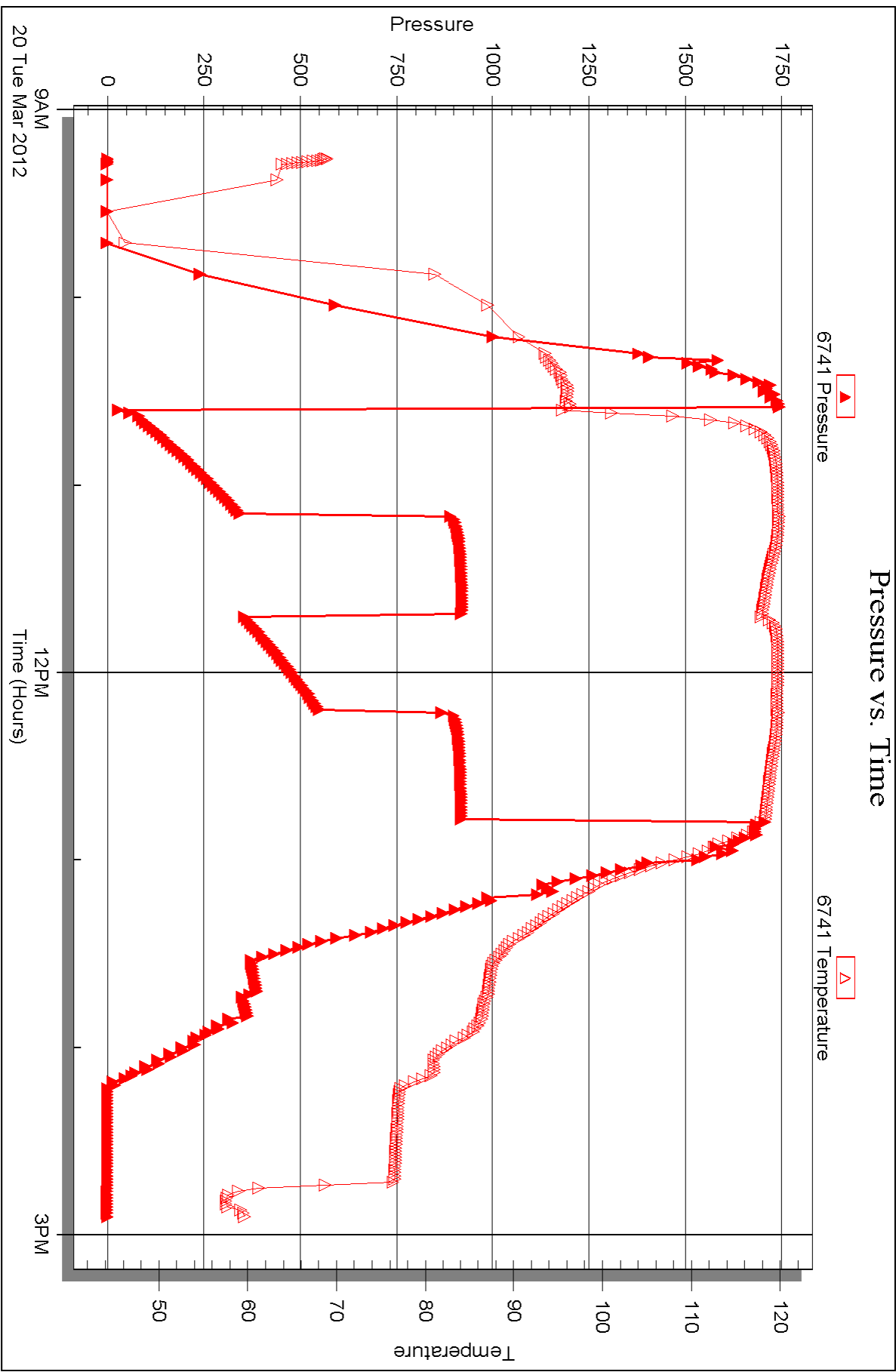
Printed: 2012.04.05 @ 09:25:37

Serial #: 6741

Outside Baird Oil Company

Quinn #2-2

DST Test Number: 4





## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

### **Quinn #2-2**

#### **2-7s-22w Graham Ks.**

Start Date: 2012.03.20 @ 21:02:00

End Date: 2012.03.21 @ 03:30:00

Job Ticket #: 45589                      DST #: 5

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

Printed: 2012.04.05 @ 09:24:21





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Company  
PO Box 428  
Logan KS 67646  
ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
Job Ticket: 45589      **DST#: 5**  
Test Start: 2012.03.20 @ 21:02:00

## GENERAL INFORMATION:

Formation: **LKC-E-F**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 22:55:30  
Time Test Ended: 03:30:00  
Interval: **3575.00 ft (KB) To 3600.00 ft (KB) (TVD)**  
Total Depth: 3600.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Chuck Kreuzer Jr.  
Unit No: 61  
Reference Elevations: 2286.00 ft (KB)  
2281.00 ft (CF)  
KB to GR/CF: 5.00 ft

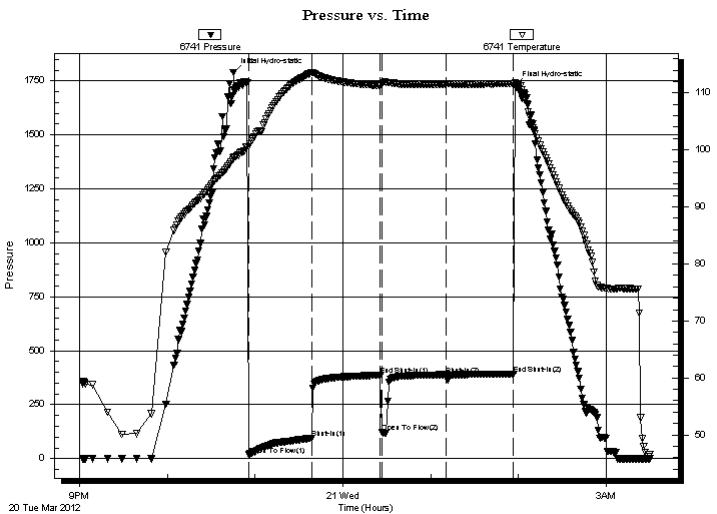
## Serial #: 6741

Inside

Press @ Run Depth: 389.12 psig @ 3576.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2012.03.20 End Date: 2012.03.21 Last Calib.: 2012.03.21  
Start Time: 21:02:05 End Time: 03:29:59 Time On Btm: 2012.03.20 @ 22:45:00  
Time Off Btm: 2012.03.21 @ 01:57:30

TEST COMMENT: IF: Weak blow , Built to 7 in. over 45 mins.  
IS: No blow  
FF: Weak blow , Built to 2 1/2 in. over 45 mins.  
FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1789.66	98.54	Initial Hydro-static
11	17.62	100.60	Open To Flow (1)
54	94.63	113.54	Shut-In(1)
101	386.57	111.29	End Shut-In(1)
102	121.39	111.39	Open To Flow (2)
146	389.12	111.50	Shut-In(2)
192	392.42	111.64	End Shut-In(2)
193	1728.87	111.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw -5% m95%w	0.61
62.00	mcw -20% m80%w	0.87
1.00	oil-100%	0.01

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45589

**DST#: 5**

ATTN: Rich Bell

Test Start: 2012.03.20 @ 21:02:00

## Tool Information

Drill Pipe:	Length: 3456.00 ft	Diameter: 3.80 inches	Volume: 48.48 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 53000.00 lb
			Total Volume: 49.09 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3575.00 ft			Final 51000.00 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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3560.00	
Hydraulic tool	5.00			3565.00	
Packer	5.00			3570.00	20.00 Bottom Of Top Packer
Packer	5.00			3575.00	
Stubb	1.00			3576.00	
Recorder	0.00	6741	Inside	3576.00	
Recorder	0.00	6752	Outside	3576.00	
Perforations	21.00			3597.00	
Bullnose	3.00			3600.00	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 Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45589

**DST#: 5**

ATTN: Rich Bell

Test Start: 2012.03.20 @ 21:02:00

## 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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 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 bbbl
124.00	mcw -5% m95%w	0.610
62.00	mcw -20% m80%w	0.870
1.00	oil-100%	0.014

Total Length: 187.00 ft

Total Volume: 1.494 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

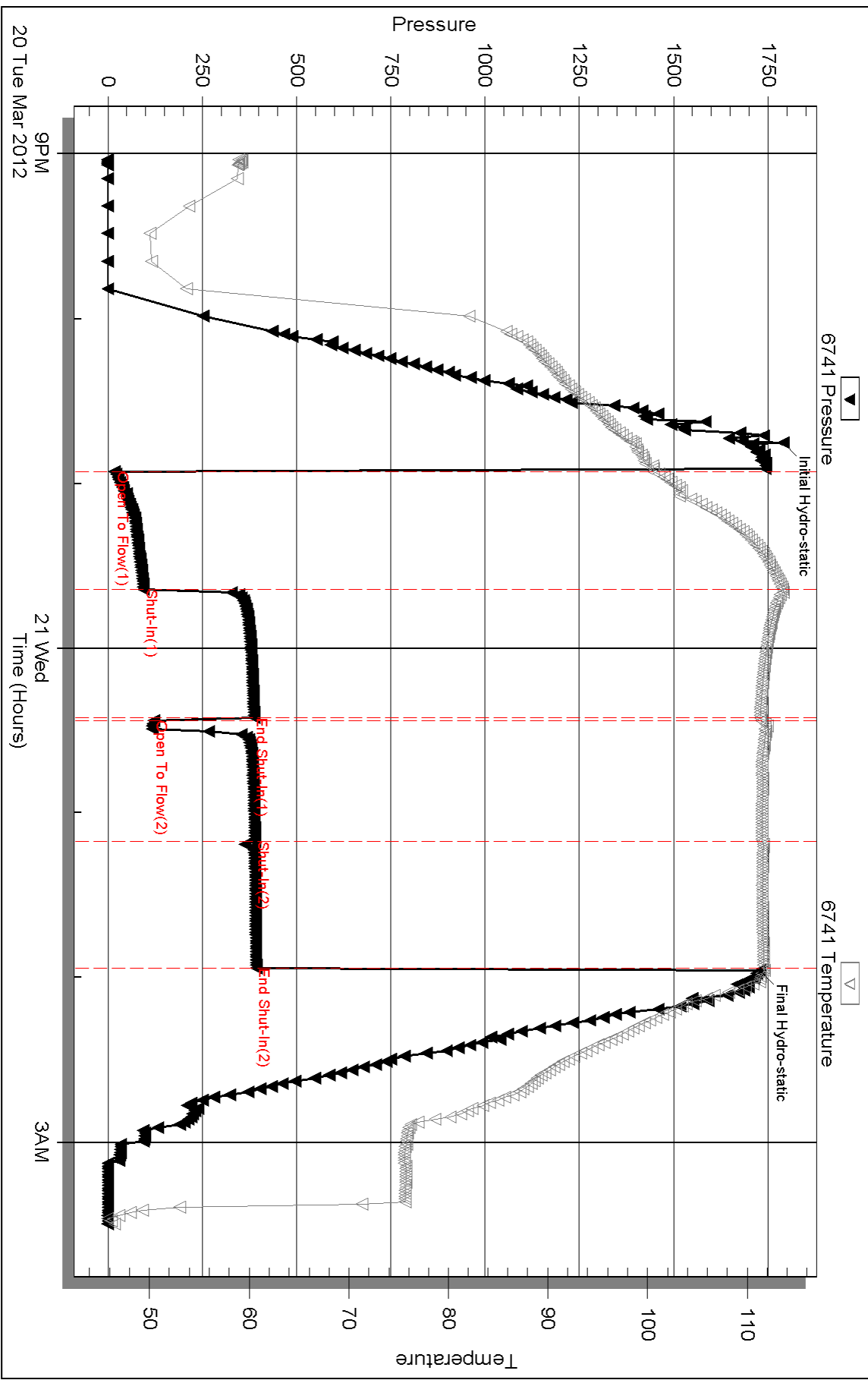
Inside

Baird Oil Company

Quinn #2-2

DST Test Number: 5

# Pressure vs. Time



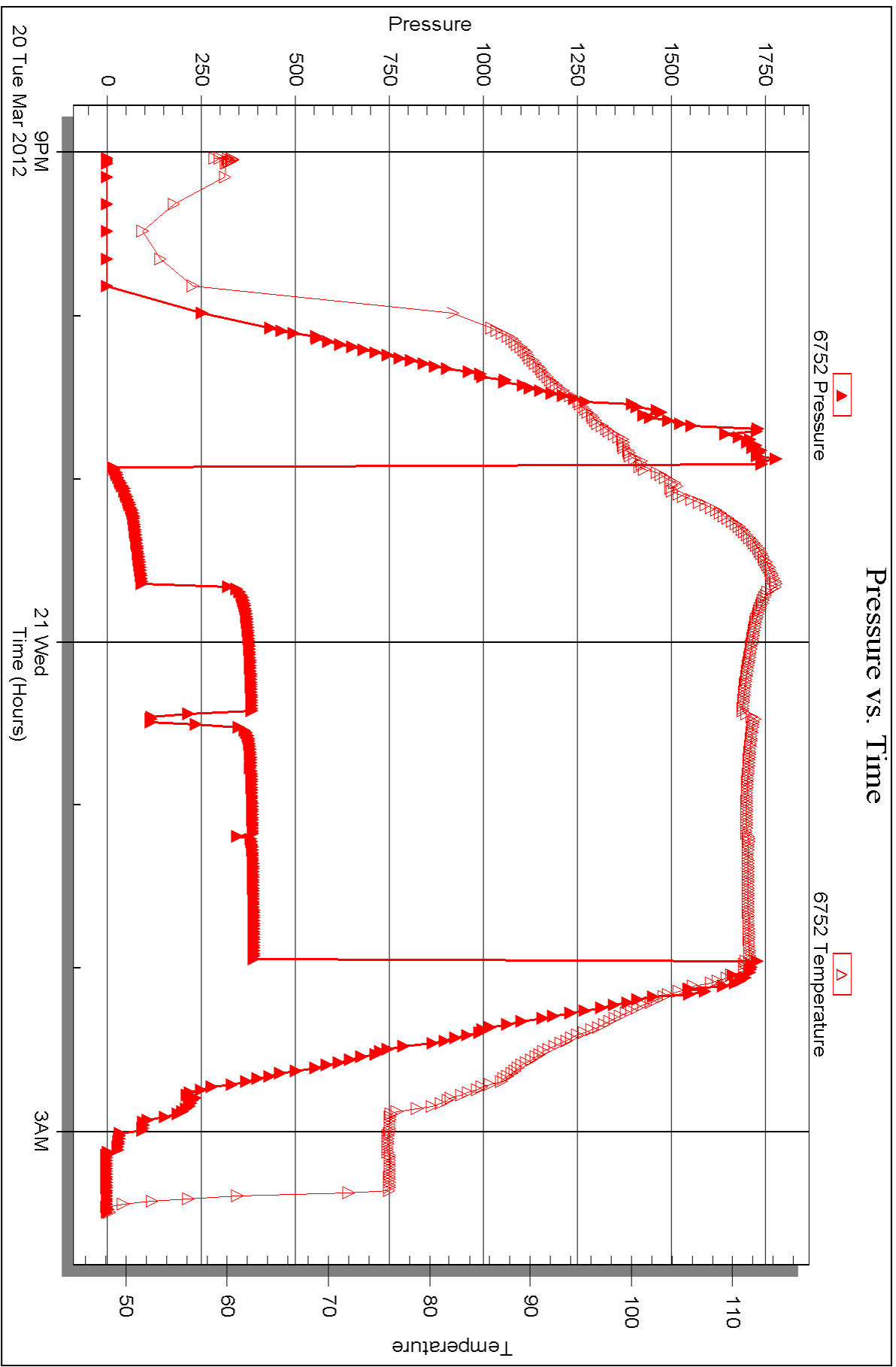


Serial #: 6752

Outside Baird Oil Company

Quinn #2-2

DST Test Number: 5





## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

**Quinn #2-2**

**2-7s-22w Graham Ks.**

Start Date: 2012.03.22 @ 03:25:00

End Date: 2012.03.22 @ 10:38:30

Job Ticket #: 45589                      DST #: 6

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

Printed: 2012.04.05 @ 09:21:08



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Company  
PO Box 428  
Logan KS 67646  
ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
Job Ticket: 45589      **DST#: 6**  
Test Start: 2012.03.22 @ 03:25:00

## GENERAL INFORMATION:

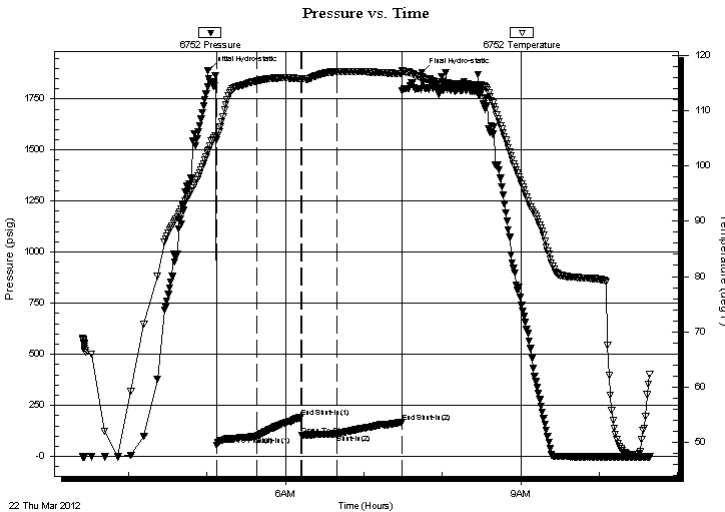
Formation: **LKC-L**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 05:07:30  
Time Test Ended: 10:38:30  
Interval: **3700.00 ft (KB) To 3740.00 ft (KB) (TVD)**  
Total Depth: 3826.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Straddle (Reset)  
Tester: Chuck Kreuzer Jr.  
Unit No: 61  
Reference Elevations: 2286.00 ft (KB)  
2281.00 ft (CF)  
KB to GR/CF: 5.00 ft

## Serial #: 6752      Outside

Press @ Run Depth: 111.31 psig @ 3587.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.03.22      End Date: 2012.03.22      Last Calib.: 2012.03.22  
Start Time: 03:25:05      End Time: 10:38:29      Time On Btm: 2012.03.22 @ 05:01:00  
Time Off Btm: 2012.03.22 @ 07:44:30

**TEST COMMENT:** IF: Fair blow , Built to BOB in 30 mins  
IS: No blow  
FF: Weak blow , Built to 2 1/4 in. over 30 mins.  
FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1889.67	102.71	Initial Hydro-static
7	56.28	104.73	Open To Flow (1)
38	98.78	115.41	Shut-In(1)
71	191.97	115.88	End Shut-In(1)
72	104.89	115.84	Open To Flow (2)
99	111.31	117.13	Shut-In(2)
148	168.52	116.76	End Shut-In(2)
164	1878.10	116.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm-30%o70%m	0.05
124.00	w cm-30%w 70%m	0.70

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45589

**DST#: 6**

ATTN: Rich Bell

Test Start: 2012.03.22 @ 03:25:00

## Tool Information

Drill Pipe:	Length: 3577.00 ft	Diameter: 3.80 inches	Volume: 50.18 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: 50.79 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3700.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	3737.00 ft			
Interval between Packers:	37.00 ft			
Tool Length:	148.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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

Shut In Tool	5.00			3685.00	
Hydraulic tool	5.00			3690.00	
Packer	5.00			3695.00	20.00 Bottom Of Top Packer
Packer	5.00			3700.00	
Stubb	1.00			3701.00	
Recorder	0.00	8651	Outside	3701.00	
Perforations	2.00			3703.00	
Blank Spacing	31.00			3734.00	
Perforations	2.00			3736.00	
Blank Off Sub	1.00			3737.00	37.00 Tool Interval
Packer	5.00			3742.00	
Stubb	1.00			3743.00	
Recorder	0.00	6741	Below	3743.00	
Perforations	18.00			3761.00	
Change Over Sub	1.00			3762.00	
Blank Spacing	62.50			3824.50	
Change Over Sub	1.00			3825.50	
Bullnose	3.00			3828.50	91.50 Bottom Packers & Anchor

**Total Tool Length: 148.50**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45589

**DST#: 6**

ATTN: Rich Bell

Test Start: 2012.03.22 @ 03:25:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 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
10.00	ocm-30%o70%m	0.049
124.00	w cm-30%w 70%m	0.701

Total Length: 134.00 ft      Total Volume: 0.750 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

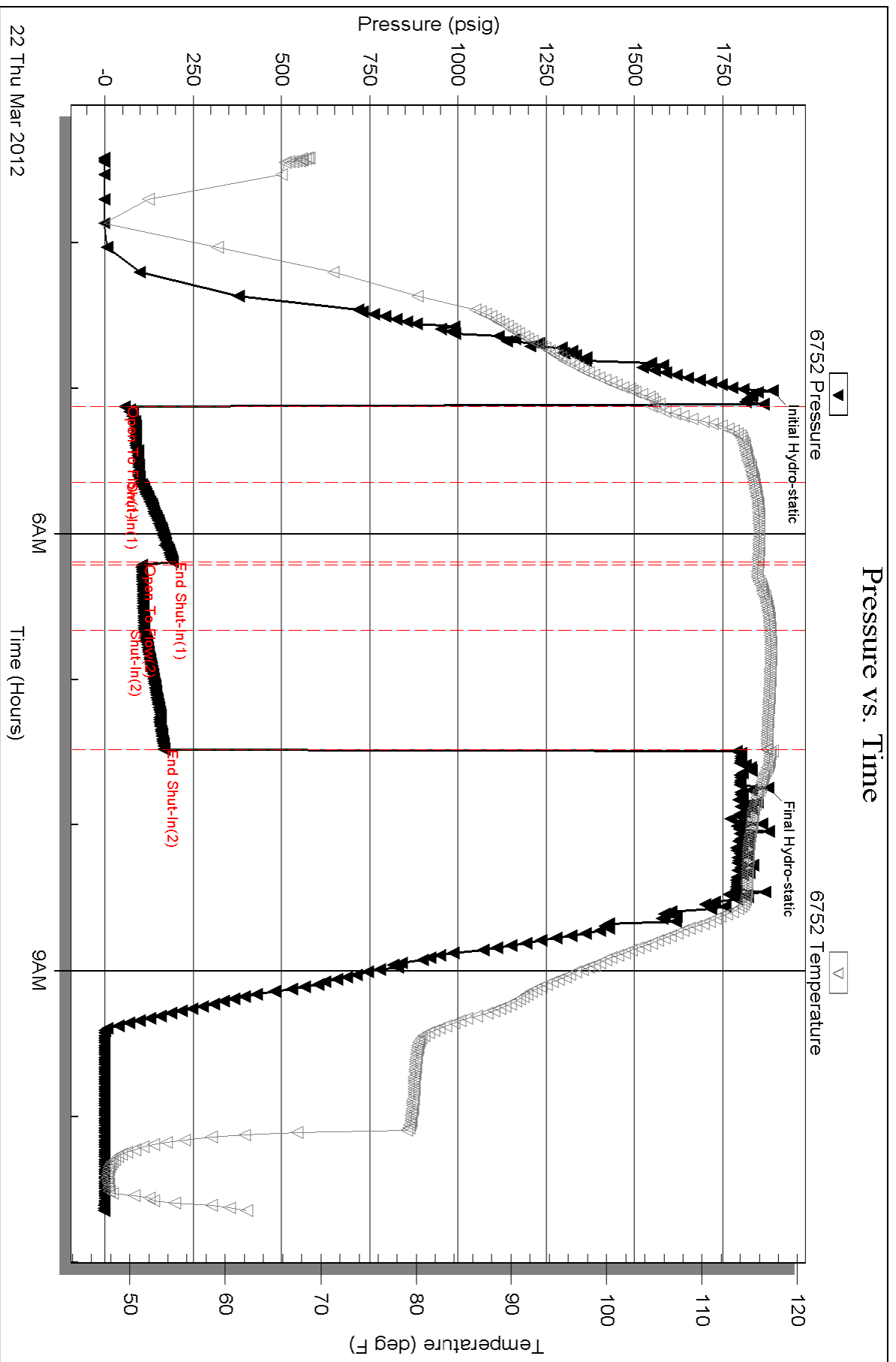
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
MAR 23 2012

## Test Ticket

NO. 45585

4/10

BY:

Well Name & No. Quinn #2-2 Test No. 1 Date 3-18-2012  
 Company Baird Oil Company Elevation 2286 KB 2281 GL  
 Address 113 W main P.O. Box 428 Logan Ks. 67646  
 Co. Rep / Geo. Richard Bell Rig ww #8  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State Ks

Interval Tested 3509 3532 Zone Tested LKC-A  
 Anchor Length 23 Drill Pipe Run \_\_\_\_\_ Mud Wt. \_\_\_\_\_  
 Top Packer Depth 3504 Drill Collars Run 124 Vis \_\_\_\_\_  
 Bottom Packer Depth 3509 Wt. Pipe Run 0 WL \_\_\_\_\_  
 Total Depth 3532 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_

Blow Description couldn't get passed 3222 still had 310 ft. to get to bottom  
waited a couple hrs while they worked on Drawworks.  
Came back out. Go back to bottom CILC. Came back out for DST #2

Rec	Feet of	%gas	%oil	%water	%mud
<u>-2</u>					
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 0 BHT 109 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic  Test 925 T-On Location 20:50  
 (B) First Initial Flow  Jars \_\_\_\_\_ T-Started 21:25  
 (C) First Final Flow  Safety Joint \_\_\_\_\_ T-Open \_\_\_\_\_  
 (D) Initial Shut-In  Circ Sub \_\_\_\_\_ T-Pulled 22:54  
 (E) Second Initial Flow  Hourly Standby \_\_\_\_\_ T-Out 3:20  
 (F) Second Final Flow  Mileage TART 100-80 Comments Had to work on  
Brakes before tripping tool  
IN Hole.  
 (G) Final Shut-In  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 0  
 Initial Shut-In 0  
 Final Flow 0  
 Final Shut-In 0  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1097.80  
 Total 1097.80  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Chuck King

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## Test Ticket

NO. 45586

Well Name & No. Quinn 2-2 Test No. 2 Date 3-19-2012  
 Company Baird oil company Elevation 2286 KB 2281 GL  
 Address 113 W main P.O. Box 428 Logan Ks. 67646  
 Co. Rep / Geo. Richard Bell Rig WW#8  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State Ks.

Interval Tested 3509 3532 Zone Tested LKC-A  
 Anchor Length 23 Drill Pipe Run 3395 Mud Wt. 9.2  
 Top Packer Depth 3504 Drill Collars Run 124 Vis 55  
 Bottom Packer Depth 3509 Wt. Pipe Run ~0~ WL 7.2  
 Total Depth 3532 Chlorides 1700 ppm System LCM 1.5  
 Blow Description IF: Weak blow, Built to 2 in. over 45 mins.  
ISI: No blow back over 45 mins.  
FF: Weak blow, Built to 1 1/4 in. over 45 mins.  
FST: No blow back over 45 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>go</u>	<u>30</u>	<u>70</u>		
<u>62</u>	<u>gmc</u>	<u>5</u>	<u>60</u>		<u>35</u>
<u>0</u>	<u>320.70* = 31</u>				

Rec Total 82 BHT 104.7 Gravity 31 API RW @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1739  Test 1125 T-On Location 8:55  
 (B) First Initial Flow 12  Jars \_\_\_\_\_ T-Started 9:00  
 (C) First Final Flow 38  Safety Joint \_\_\_\_\_ T-Open 10:23  
 (D) Initial Shut-In 54  Circ Sub \_\_\_\_\_ T-Pulled 13:25  
 (E) Second Initial Flow 39  Hourly Standby \_\_\_\_\_ T-Out 15:14  
 (F) Second Final Flow 45  Mileage 24RT 33.60 Comments \_\_\_\_\_  
 (G) Final Shut-In 53  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1708  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 45  Extra Recorder \_\_\_\_\_ Sub Total \_\_\_\_\_  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1158.60  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 45 Sub Total 1158.60

Approved By \_\_\_\_\_ Our Representative Chuck Meyer  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





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## Test Ticket

NO. 45587

BY: \_\_\_\_\_

Well Name & No. Quinn #2-2 Test No. 3 Date 3-19-2012  
 Company Bard oil company Elevation 2286 KB 2281 GL \_\_\_\_\_  
 Address 113 W main P.O. Box 428 Logan Ks. 67646  
 Co. Rep / Geo. Richard Bel Rig WW#8  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State KS.

Interval Tested 3536 3557 Zone Tested LKC-C  
 Anchor Length \_\_\_\_\_ 21 Drill Pipe Run 3424 Mud Wt. 9.2  
 Top Packer Depth \_\_\_\_\_ 3531 Drill Collars Run 124 Vis 55  
 Bottom Packer Depth \_\_\_\_\_ 3536 Wt. Pipe Run -0- WL 7.2  
 Total Depth \_\_\_\_\_ 3557 Chlorides 1,700 ppm System LCM 1.5

Blow Description IF: strong blow, Built to B. OB in 2 mins  
JSI: Blow Back, Built to B. OB in 12 mins  
FF: strong blow, Built to B. O. B in 1 mins  
FST: Blow Back, Built to B. OB in 8 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>100 ft gas in pipe</u>				
<u>20</u>	<u>90-</u>	<u>30</u>	<u>70</u>		
<u>620</u>	<u>90-</u>	<u>10</u>	<u>90</u>		
<u>279</u>	<u>mcw</u>	<u>10</u>	<u>3</u>	<u>60</u>	<u>27</u>
<u>279</u>	<u>mcw</u>	<u>50</u>		<u>85</u>	<u>10</u>

Rec Total \_\_\_\_\_ BHT \_\_\_\_\_ Gravity 31.9 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1744  Test 1125 T-On Location 20:30  
 (B) First Initial Flow 87  Jars \_\_\_\_\_ T-Started 20:45  
 (C) First Final Flow 241  Safety Joint \_\_\_\_\_ T-Open 22:18  
 (D) Initial Shut-In 201892  Circ Sub \_\_\_\_\_ T-Pulled 00:45  
 (E) Second Initial Flow 433  Hourly Standby \_\_\_\_\_ T-Out 3:23  
 (F) Second Final Flow 21948  Mileage 12x2=24x1.40 33.60 Comments \_\_\_\_\_  
 (G) Final Shut-In 2083 874  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1683  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 15  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1158.60  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 45 Sub Total 1158.60

Approved By \_\_\_\_\_ Our Representative Chad [Signature]

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## Test Ticket

NO. 45588

4/10

BY: \_\_\_\_\_

Well Name & No. Quinn #2-2 Test No. 4 Date 3-20-2012  
 Company Barr Oil Company Elevation 2286 KB 2281 GL \_\_\_\_\_  
 Address 113 W main P.O. Box 428 Logan Ks. 67646  
 Co. Rep / Geo. Richard Bell Rig WW#18  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State Ks.

Interval Tested 3556 3571 Zone Tested LKC-D  
 Anchor Length \_\_\_\_\_ 15 Drill Pipe Run 3426 Mud Wt. 9.2  
 Top Packer Depth \_\_\_\_\_ 3551 Drill Collars Run 124 Vis 55  
 Bottom Packer Depth \_\_\_\_\_ 3556 Wt. Pipe Run -0- WL 7.2  
 Total Depth \_\_\_\_\_ 3571 Chlorides 1,700 ppm System LCM 1.5

Blow Description FF: Strong blow, Built to B.O.B in 4 mins.  
ISS: No blow  
FF: Strong blow Built to B.O.B in 6 mins  
BSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>oil</u>				
<u>1486</u>	<u>water</u>				
_____	_____				
_____	_____				
_____	_____				

Rec Total 1456 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic _____ <u>1801</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location _____ <u>9:00</u>
(B) First Initial Flow _____ <u>53</u>	<input type="checkbox"/> Jars _____	T-Started _____ <u>9:25</u>
(C) First Final Flow _____ <u>341</u>	<input type="checkbox"/> Safety Joint _____	T-Open _____ <u>10:36</u>
(D) Initial Shut-In _____ <u>920</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled _____ <u>12:40</u>
(E) Second Initial Flow _____ <u>348</u>	<input type="checkbox"/> Hourly Standby _____	T-Out _____ <u>14:54</u>
(F) Second Final Flow _____ <u>552</u>	<input checked="" type="checkbox"/> Mileage <u>12x2 = 24 x 1.40 = 33.60</u>	Comments _____
(G) Final Shut-In _____ <u>917</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic _____ <u>1709</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open _____ <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In _____ <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total _____ <u>0</u>
Final Flow _____ <u>30</u>	<input type="checkbox"/> Day Standby _____	Total _____ <u>1158.60</u>
Final Shut-In _____ <u>30</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total _____ <u>1158.60</u>	

Approved By \_\_\_\_\_ Our Representative Chuck [Signature]

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BY: \_\_\_\_\_

## Test Ticket

NO. 45589

Well Name & No. Quinn #2-2 Test No. 5 Date 3-20-2012  
 Company Baird Oil Company Elevation 2286 KB 2281 GL \_\_\_\_\_  
 Address 113 W. main P.O. Box 428 Logan KS. 67646  
 Co. Rep / Geo. Richard Bell Rig WW#8  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State Ks

Interval Tested 3575 3600 Zone Tested LKCF, F  
 Anchor Length 25 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.1  
 Top Packer Depth 3570 Drill Collars Run 124 Vis 62  
 Bottom Packer Depth 3575 Wt. Pipe Run -0- WL 6.4  
 Total Depth 3600 Chlorides 2000 ppm System LCM 1#

Blow Description IF: Weak blow, built to 7 in. over 45 mins  
ISI: No blow  
FF: Weak blow, built to 2 1/2 in. over 45 mins  
FST: No blow.

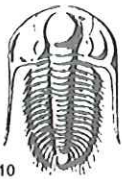
Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>oil</u>		<u>100</u>		
<u>62</u>	<u>MCV</u>			<u>80</u>	<u>20</u>
<u>124</u>	<u>MCW</u>			<u>95</u>	<u>5</u>
____	____				
____	____				

Rec Total 187 BHT 111.6 Gravity \_\_\_\_\_ API RW 4 @ 65 ° F Chlorides 1800 ppm

(A) Initial Hydrostatic 1790  Test 1125 T-On Location 20:15  
 (B) First Initial Flow 18  Jars \_\_\_\_\_ T-Started 21:02  
 (C) First Final Flow 95  Safety Joint \_\_\_\_\_ T-Open 22:55  
 (D) Initial Shut-In 387  Circ Sub \_\_\_\_\_ T-Pulled 1:55  
 (E) Second Initial Flow 121  Hourly Standby \_\_\_\_\_ T-Out 03:30  
 (F) Second Final Flow 389  Mileage 12x2=24x1.40 33.60 Comments \_\_\_\_\_  
 (G) Final Shut-In 392  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1729  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 45  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 45  Day Standby \_\_\_\_\_ Total 1158.60  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1158.60

Approved By \_\_\_\_\_ Our Representative [Signature]



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## Test Ticket

NO. 45591

Well Name & No. Quinn #2-2 Test No. 6 Date 3-22-2012  
 Company Barred oil company Elevation 2286 KB 2281 GL  
 Address 113 W. main P.O. Box 428 Logan Ks. 67646  
 Co. Rep / Geo. Richard Bell Rig Barred W W # 8  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State Ks.

Interval Tested 3700 3740 Zone Tested LKc-L  
 Anchor Length 40 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.2  
 Top Packer Depth \_\_\_\_\_ Drill Collars Run 124 Vis 57  
 Bottom Packer Depth 3700 Wt. Pipe Run \_\_\_\_\_ WL 6.0  
 Total Depth 3740 Chlorides 2000 ppm System LCM 2#

Blow Description IF: Fair blow, Built to B.O.B in 30 mins  
ISI: No blow  
FSI: Weak blow, Built to ~~2 1/4~~ 2 1/4 in. over 30 mins  
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OCM</u>	<u>30</u>		<u>70</u>	
<u>124</u>	<u>WCM</u>			<u>70</u>	<u>30</u>
<u><del>124</del></u>	<u><del>WCM</del></u>			<u><del>70</del></u>	<u><del>30</del></u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total	BHT	Gravity	API RW	@	F	Chlorides	ppm
(A) Initial Hydrostatic	<u>1890</u>	<input checked="" type="checkbox"/> Test	<u>1125</u>			T-On Location	<u>3:10</u>
(B) First Initial Flow	<u>56</u>	<input type="checkbox"/> Jars				T-Started	<u>3:25</u>
(C) First Final Flow	<u>99</u>	<input type="checkbox"/> Safety Joint				T-Open	<u>5:07</u>
(D) Initial Shut-In	<u>197</u>	<input type="checkbox"/> Circ Sub				T-Pulled	<u>7:10</u>
(E) Second Initial Flow	<u>105</u>	<input type="checkbox"/> Hourly Standby				T-Out	<u>10:38</u>
(F) Second Final Flow	<u>111</u>	<input checked="" type="checkbox"/> Mileage	<u>72 RT. 100.80</u>			Comments	
(G) Final Shut-In	<u>169</u>	<input type="checkbox"/> Sampler					
(H) Final Hydrostatic	<u>1878</u>	<input checked="" type="checkbox"/> Straddle				<input checked="" type="checkbox"/> Ruined Shale Packer	<u>350</u>
Initial Open	<u>30</u>	<input checked="" type="checkbox"/> Shale Packers	<u>1250</u>			<input type="checkbox"/> Ruined Packer	
Initial Shut-In	<u>30</u>	<input type="checkbox"/> Extra Packer				<input type="checkbox"/> Extra Copies	
Final Flow	<u>30</u>	<input type="checkbox"/> Extra Recorder				Sub Total	<u>350</u>
Final Shut-In	<u>45</u>	<input type="checkbox"/> Day Standby				Total	<u>2425.80</u>
		<input type="checkbox"/> Accessibility				MP/DST Disc't	
		Sub Total	<u>2075.80</u>				

Approved By \_\_\_\_\_ Our Representative Chris [Signature]  
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