



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1081376
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: _____

1081376

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

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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Arlene Mulder 1-26
Doc ID	1081376

Tops

Name	Top	Datum
Anhydrite	1953	+322
Base Anhydrite	1978	+297
Topeka	3301	-1026
Heebner	3499	-1224
Toronto	3525	-1250
Lansing	3545	-1270
Base Kansas City	3738	-1463
Marmaton	3774	-1499
Arbuckle	3813	-1538
Total Depth	3925	-1650

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

May 15, 2012

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

Re: ACO1
API 15-137-20605-00-00
Arlene Mulder 1-26
NW/4 Sec.26-03S-21W
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

RPT #15-137-20605-0000

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY <u>Baird Oil Company, LLC.</u>	ELEVATION
LEASE <u>Arlene Mulder #1-26</u>	KB <u>2275'</u>
FIELD <u>Wildcat</u>	DF <u>2273'</u>
LOCATION <u>2125' ENL + 1500' FWL</u>	GL <u>2270'</u>
SEC <u>26</u> TWSP <u>3s</u> RGE <u>21w</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>4-26-12</u> COMP <u>5-1-12</u>	Surface <u>8 7/8" @ 214'</u>
SAMPLES SAVED FROM <u>3250'</u> TO <u>R.T.D.</u>	Production <u>none</u>
	ELECTRIC LOGS <u>Superior Well Services</u>

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
				-0-			
Anhydrite	1953	1953	+ 322	+ 337			
Base Anhydrite	1979	1978	+ 297	+ 307			
Topeka	3298	3301	- 1026	- 1021			
Heebner	3497	3499	- 1224	- 1223			
Toronto	3524	3525	- 1250	- 1251			
Lansing	3544	3545	- 1270	- 1269			
Base Kansas City	3737	3738	- 1463	- 1454			
Marmaton	3772	3774	- 1499				
Arbuckle	3812	3813	- 1538	- 1539			
Total Depth	3923	3925	- 1650	- 1575			

REFERENCE WELLS

A	Jones, Shelburne and Farmer; Reeser #1 NW-NW-SE sec. 26-3s-21w
B	
C	
D	

REMARKS

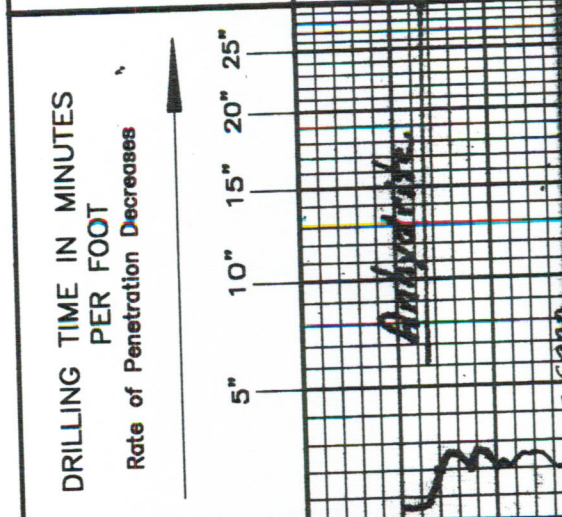
This well ran 1 foot lower on the losing top than the reference dry hole.
After reviewing all related information it was decided this well should
be plugged and abandoned.

Richard B. Bell
5/11/12

7502

LEGEND

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



DEPTH

1950

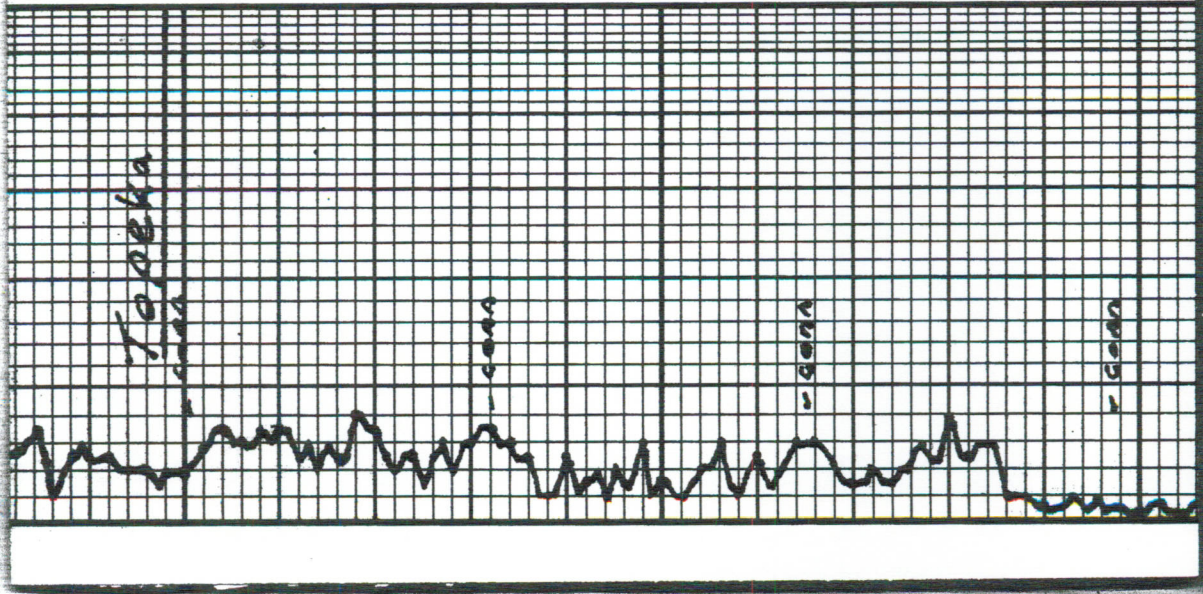
LITHOLOGY

SAMPLE DESCRIPTIONS

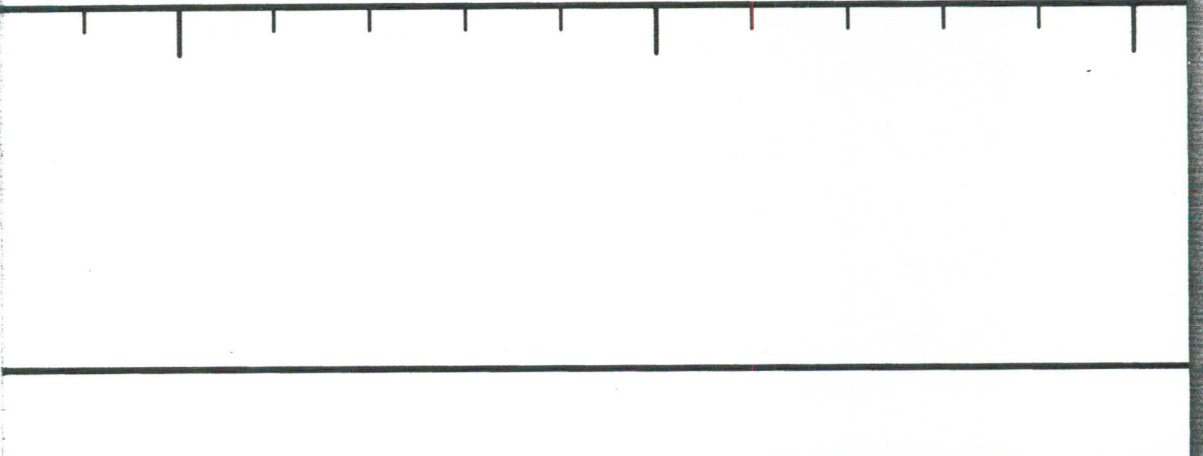
OIL SHOWS

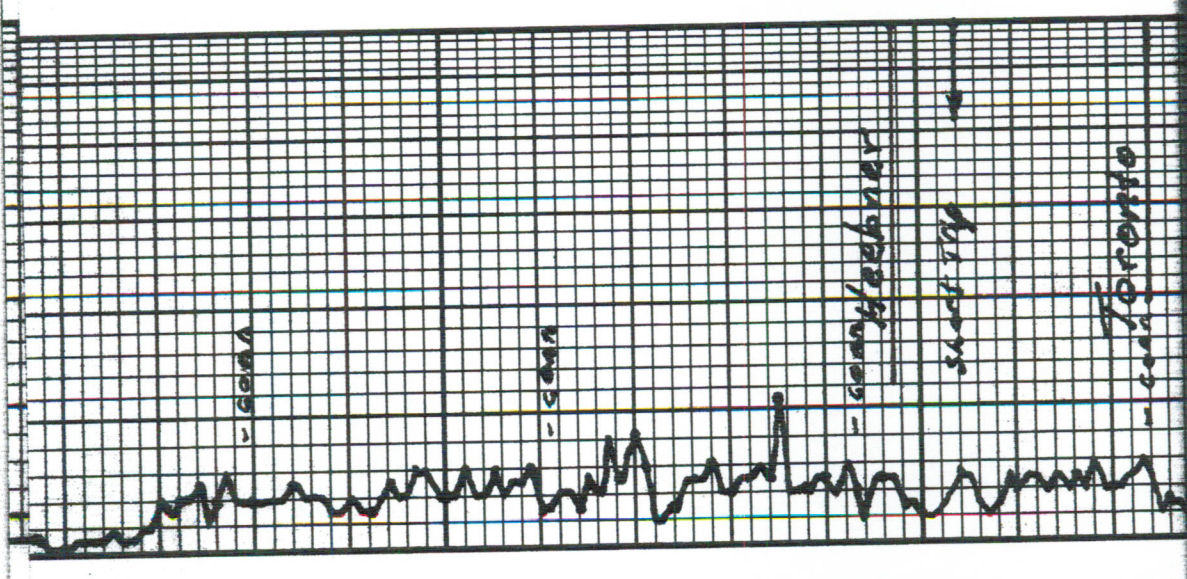
REMARKS

LOG 7710



3300	Shlyaa. LS:wh-ta-slyaa-ctya fch-slyaa däs N.S.O.
20	Shiben LS:wh-ta-ctya-fch-ööl pp N.S.O.
40	V. Shlye-brashty
60	LS:wh-ta-tr-ctya-fch ööl inpart N.S.O. Axy tn-ar
80	a.a. LS:wh-ta-fch-tr-ööl pp N.S.O. Tr-Dtn
3400	Shibca-slyaa





20	sh: brn slty Sdy
40	LS: wh-trn cky-fxln sli. oöl pp@ N.S.O. Tr. A grx LS: tr. yel fs/ fpr. pp@ N.S.O. sh: brn, grx LS: ht. gry fs/ f dms Tr. drk gry shi LS: wh-trn fxln sli. oöl pp@ N.S.O. sh: brn slty LS: wh-trn fxln Tr. oöl pp@ N.S.O. LS: wh-trn sli. cky-fxln dal pp@ N.S.O. Tr. A fn Sh: blk Carb LS: tr. fs/ f dms Sh: gry slty, brn, grn LS: wh-trn cky-fxln oöl
60	
80	
3500	
20	

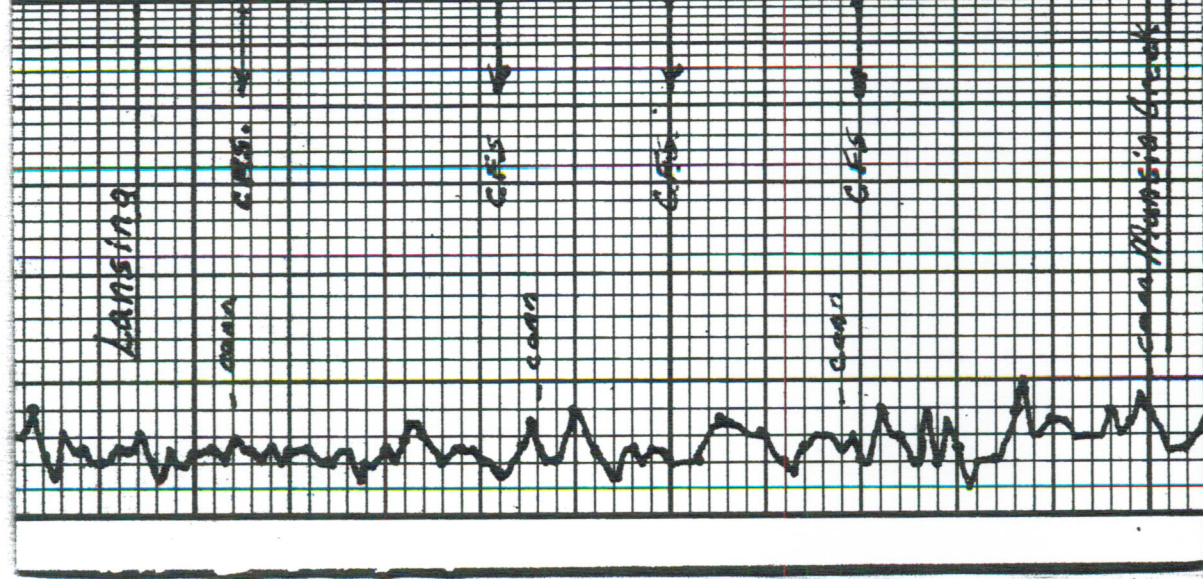
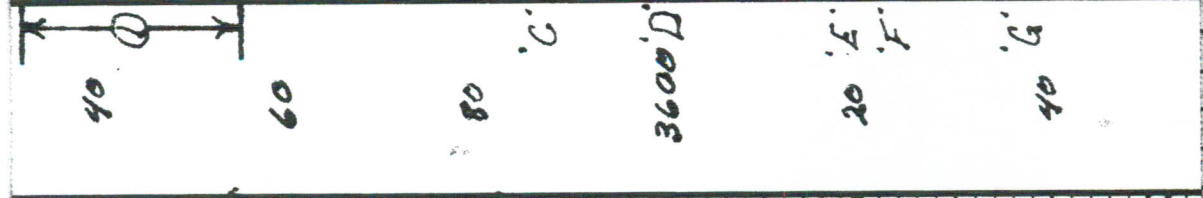
Strap 3557.09'
 Board 3554.98'
 Diff. 2.11'

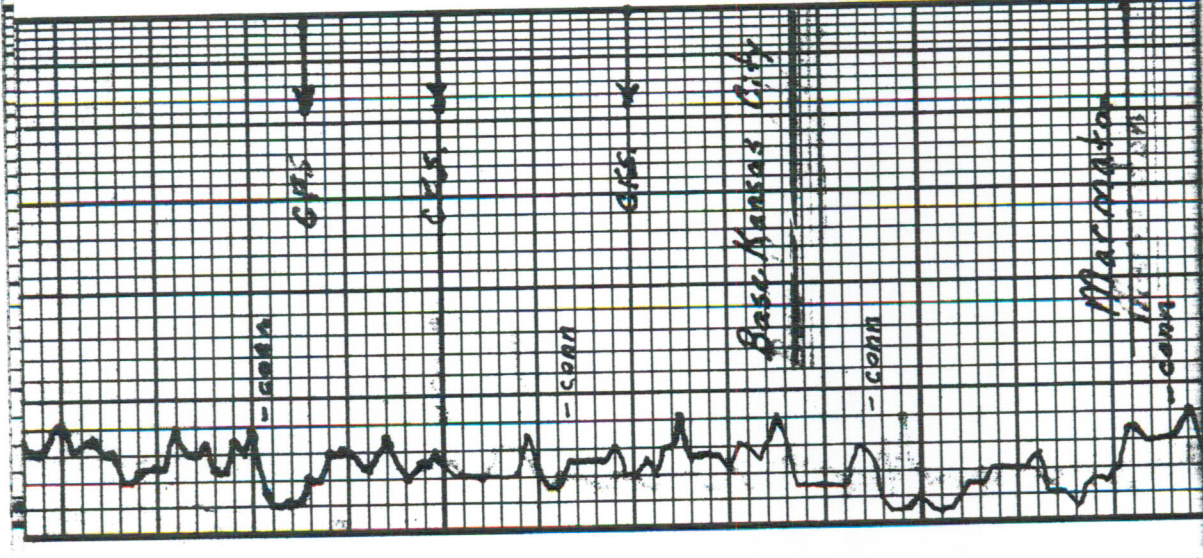
Trilobite Testing

DST# 1 3532'-3555'

3-30
 IF V. wk surface blow
 flushed tool, No help
 Recovery: 10' M w/ Ospsks
 Hyd: 2167-1766#
 FP: 11-20#
 BHP: 84#
 BHTemp: 92°F.

Sh: brn slty-gry
LS: wh-tn cky-fsln ool ppg input @ Mt. Spid O. str PPFO. ft. odor
LS: wh-tn cky-fsln dns
Sh: brn slty, gry
LS: wh-tn cky-fsln dns N.S.O. A to
LS: wh-tn v. cky-fsln No obs. @ N.S.O.
Sh: brn, gry, grn
LS: wh-tn cky-fsln dns A to top
LS: wh-tn cky-fsln dns A to top
LS: wh-tn cky-fsln ool. PP @ N.S.O.
LS: tn fsln dns
Sh: blk Carb.





60	Sh: grey slty
80	L.S: wh. to ls. gry fxl in dms N.S.O
3700	Sh: brn, gry ls: to-ye l. fslf dms. ds. o.
20	L.S: wh. to fsln - fslf oal w/ foss. inclus. PP Ø fr Spid Ø str. ls. m. bow. s.o. PP.F.O. No other fossils SPS Sh: brn, gry
40	L.S: wh. gry cky-fsln dms N.S.O. sh: brn, gry
60	L.S: wh. to sl. ye l. cky-fslf dms N.S.O. sh: brn slty
80	Sh: a.a. L.S: wh. to cky-fsln Tr fslf dms N.S.O.

60

80

3700

20

40

60

80

'H'

'I'

'J'

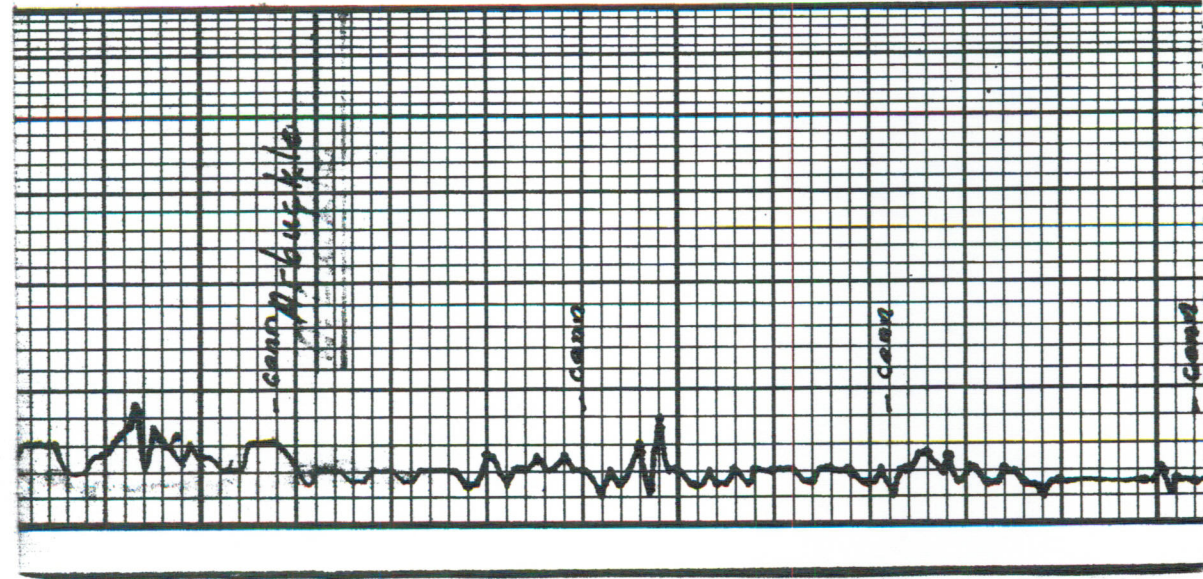
'K'

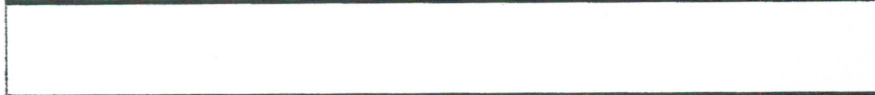
'L'



Sh: brn-sky	
15w htd cky-fch ds d.s.a.	
lsran.	
s.s. lt. gry v. fr. gn. concol.	
ingran @ N.S.O.	
Dol: wh fch incln @ N.S.O.	
Dol: wh. tp. ye. -brn fch incln @ N.S.O.	
Dol: wh. th. ye. l. brn fch incln Tr vgy @ N.S.O.	
ae. incr cky - Sh: brn	
Same	
Dol: wh. th. brn mxln incln @ Tr sli. sky N.S.O.	
Dol: a.a	

3000
20
40
60
80
3900

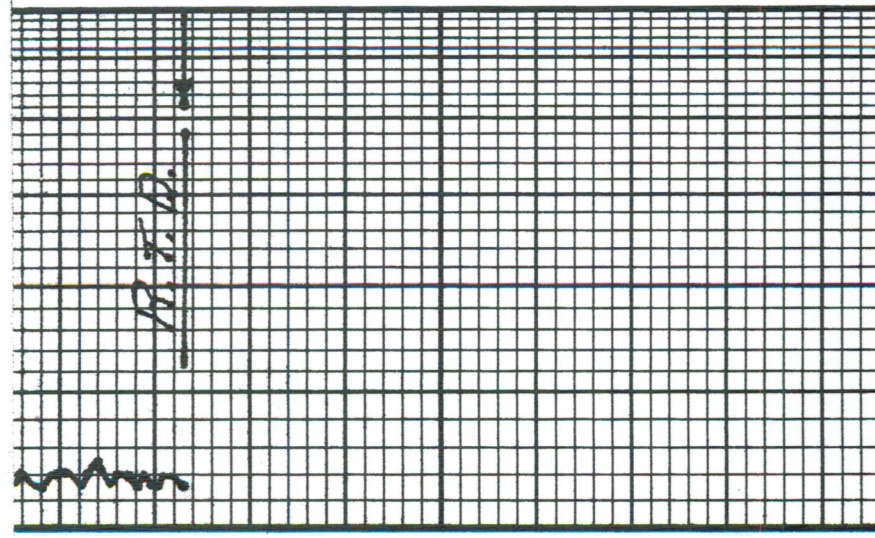




<p><i>Dol: wh-tu-bm mch incl of MSR - lot of glass Spks 51:5dy</i></p>															
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



20



SWIFT



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



Invoice

DATE	INVOICE #
4/26/2012	21706

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-26	Arlene Mulder	Norton	WW Drilling	Oil	Development	Cement Surface ...	Don
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.) - 214 Feet				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				628	Ton Miles	1.00	628.00
	Subtotal							4,933.00
	Sales Tax Norton County						7.05%	176.60
	<p style="text-align: center;">R4/30/2012</p> <p style="text-align: center;">P4/30/2012</p> <p>A Mulder 190402 5109.60</p> <p>Arlene Mulder 1-26 - Pump charges Cement + other misc used to Cement surface casing</p>							

We Appreciate Your Business!

Total

\$5,109.60



CHARGE TO: Boind Oil Co. Inc
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET No 21706

PAGE 1 OF 1

1. SERVICE LOCATIONS: Hays, KS WELL/PROJECT NO.: 1-26 LEASE: Arlene Mulder COUNTY/PARISH: Norton STATE: KS DATE: 4-26-12 OWNER: _____

2. Ness City, KS TICKET TYPE: SERVICE SALES CONTRACTOR: WCC DTY RIG NAME/NO.: _____ SHIPPED VIA: CT DELIVERED TO: Mrs Logan, KS ORDER NO.: _____

3. WELL TYPE: Dil WELL CATEGORY: Wildcat JOB PURPOSE: Cement Surface Raising 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		1			MILEAGE #113	82 mi					600	49200
576 & 5		1			Ramp Change - East Shellman Site	100					10000	10000
290		1			D-21R	2 gal					3500	7000
325		2			Standard Cement	160	525	15000	15		1350	216000
278		2			Calcium Chloride	308	5152	36015			7000	20000
279		2			Refractive Gel	288	3152	30015			2500	7200
581		2			Service Charge - Cement	160	525				200	32000
583		2			Drillage	628	700	15200	15		100	62800

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: 4-26 TIME SIGNED: 1:45 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

PAGE TOTAL: 5193200

TOTAL: 5109600

Porter's TAX 7.05%

SWIFT OPERATOR: Chris Johnson 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 4-26-12 PAGE NO. 1

CUSTOMER Beard Oil Co. Inc WELL NO. 1-26 LEASE Arlene Mulder JOB TYPE Concut Surface TICKET NO. 21706

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1745							On location Rig running casing Set up trk Rig fin casing Rig CIR casing Fin Cir.
		5	40					100 Start 160 SKS std cut Logel 3000
	1845	5	12 1/2					150 Fin cut - Start Disp 12 1/2 100 Fin Disp - Close in 100 Start Wash up & Packup
								<i>[Signature]</i> D. Brian 4/26/12 cut dial circulate <i>[Signature]</i>

QUALITY WELL SERVICE INC

Invoice

324 SIMPSON
PRATT KS 67124

Date	Invoice #
5/2/2012	474

Bill To
BAIRD OIL CO. 113 W. MAIN P.O. BOX 428 LOGAN, KS 67646

P.O. No.	Terms	Project

Quantity	Description	Rate	Amount
140	COMMON	13.50	1,890.00T
90	POZ	8.50	765.00T
8	GEL	20.50	164.00T
57.5	FLO-SEAL	2.00	115.00T
1	DRY HOLE PLUG	45.00	45.00T
238	HANDLING	2.10	499.80T
19,550	.08 * SACKS * MILES	0.08	1,564.00T
1	PLUG	950.00	950.00T
85	PUMP TRUCK MILEAGE	8.00	680.00T
667.28	DISCOUNT	-1.00	-667.28T
	DISCOUNT EXPIRES AFTER 30 DAYS FROM THE DATE OF THE INVOICE	0.00	0.00
	ARLENE MULDER #1-26		
	Sales Tax NORTON	7.05%	423.39

R 5/3/2012
P 5/3/2012
A Mulder 190402 6428.91
Arlene Mulder 1-26 - Pump Charge,
Cement & other misc used to
plug well

Thank you for your business.

Total \$6,428.91

QUALITY WELL SERVICE, INC.

5529

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410

Office / Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	5-1-12	Sec.	26	Twp.	3	Range	21	County	Norton	State	KS	On Location		Finish	1:45pm
Lease	Arlene Mulder			Well No.	1-26			Location	Logans 5W 7 1/4 N Einto						
Contractor	WW Drilling							Owner	To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Type Job	Rotary Plug							Hole Size	T.D. 3923						
Csg.								Depth	Charge To Baird Oil Company						
Tbg. Size								Depth	Street						
Tool								Depth	City State						
Cement Left in Csg.								Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.						
Meas Line								Displace	Cement Amount Ordered 230 sx 60/40 4% gel 1/4 #70						

EQUIPMENT

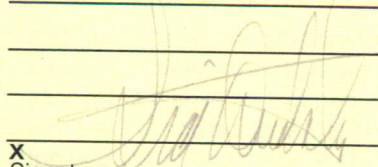
Pumptrk	No.	8	David	Common	140
Bulktrk	No.	5	Carl	Poz. Mix	90
Bulktrk	No.			Gel.	8
Pickup	No.			Calcium	

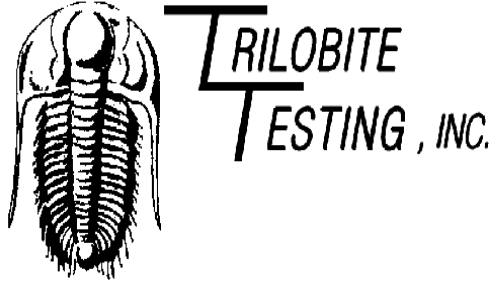
JOB SERVICES & REMARKS

Rat Hole	30sx	Hulls	
Mouse Hole		Salt	
Centralizers		Flowseal	57.50
Baskets		Kol-Seal	
D/V or Port Collar		Mud CLR 48	
1st plug @ 3813 - 25sx		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	238
2nd plug @ 1967 - 25sx		Mileage	85

FLOAT EQUIPMENT

3rd plug @ 1267 - 100sx	Guide Shoe	
	Centralizer	
4th plug @ 263 - 40sx	Baskets	
	AFU Inserts	
40' wiper plug = 10sx	Float Shoe	
	Latch Down	Dry hole Plug 8 5/8 wood plug
	Pumptrk Charge	Rotary Plug
	Mileage	85

 X Signature	Tax	
	Discount	
	Total Charge	



DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Richard Bell

Arlene Mulder

22-3s-22w Norton KS

Start Date: 2012.04.29 @ 19:00:00

End Date: 2012.04.29 @ 23:25:00

Job Ticket #: 46064 DST #: 1

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

Printed: 2012.05.03 @ 15:12:39



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Arlene Mulder

Job Ticket: 46064

DST#: 1

ATTN: Richard Bell

Test Start: 2012.04.29 @ 19:00:00

GENERAL INFORMATION:

Formation: **LKC-A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:04:30

Time Test Ended: 23:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreutzer Jr.

Unit No: 61

Interval: 3532.00 ft (KB) To 3558.00 ft (KB) (TVD)

Reference Elevations: 2275.00 ft (KB)

Total Depth: 3558.00 ft (KB) (TVD)

2270.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8791

Inside

Press @ Run Depth: 20.14 psig @ 3533.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.29

End Date:

2012.04.29

Last Calib.:

2012.04.30

Start Time: 19:00:05

End Time:

23:24:59

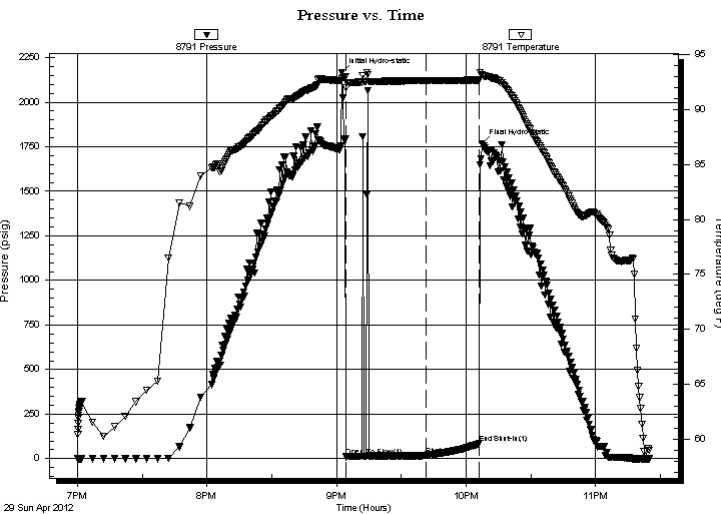
Time On Btm:

2012.04.29 @ 21:02:30

Time Off Btm:

2012.04.29 @ 22:07:30

TEST COMMENT: IF: Slid 38 ft. to bottom, Tool did not open on slide. Weak blow Died in 7 mins. FLUSHED tool w weak blow died in 7 mins.
IS: No blow back over 30 mins.
-----Pulled tool-----



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2167.28	92.79	Initial Hydro-static
2	11.02	92.03	Open To Flow (1)
39	20.14	92.63	Shut-In(1)
64	84.81	92.68	End Shut-In(1)
65	1765.74	93.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith oil specs	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Arlene Mulder

Job Ticket: 46064

DST#: 1

ATTN: Richard Bell

Test Start: 2012.04.29 @ 19:00:00

Tool Information

Drill Pipe:	Length: 3396.00 ft	Diameter: 3.80 inches	Volume: 47.64 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 48.25 bbl</u>	Tool Chased 38.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3532.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.76 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3517.00	
Hydraulic tool	5.00			3522.00	
Packer	5.00			3527.00	20.00 Bottom Of Top Packer
Packer	5.00			3532.00	
Stubb	1.00			3533.00	
Recorder	0.00	8791	Inside	3533.00	
Recorder	0.00	8673	Outside	3533.00	
Perforations	19.00			3552.00	
Bullnose	3.00			3555.00	23.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Arlene Mulder

Job Ticket: 46064

DST#: 1

ATTN: Richard Bell

Test Start: 2012.04.29 @ 19:00:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.09 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil specs	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

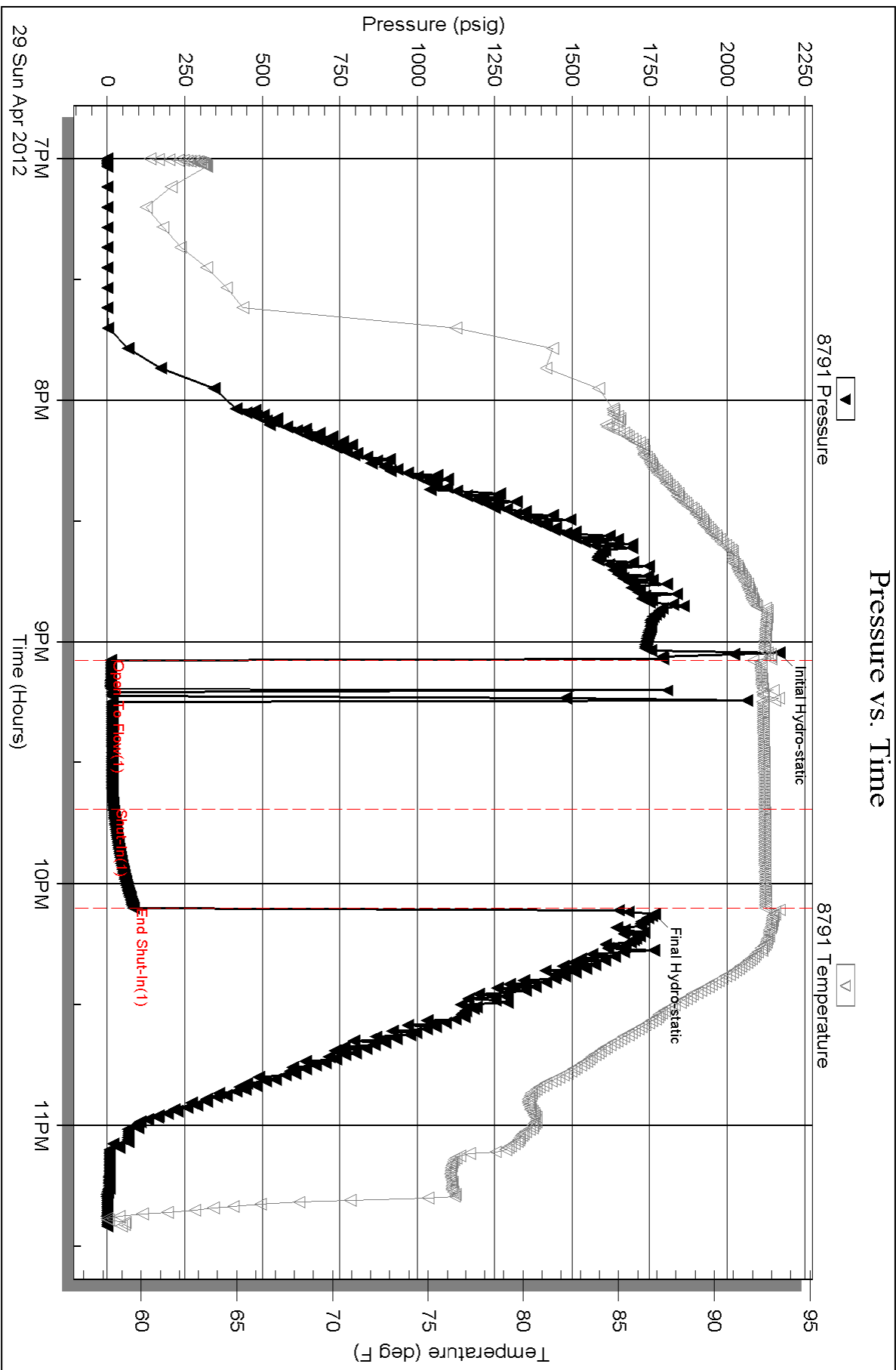
Serial #: 8791

Inside

Baird Oil Company, LLC.

Arlene Mulder

DST Test Number: 1

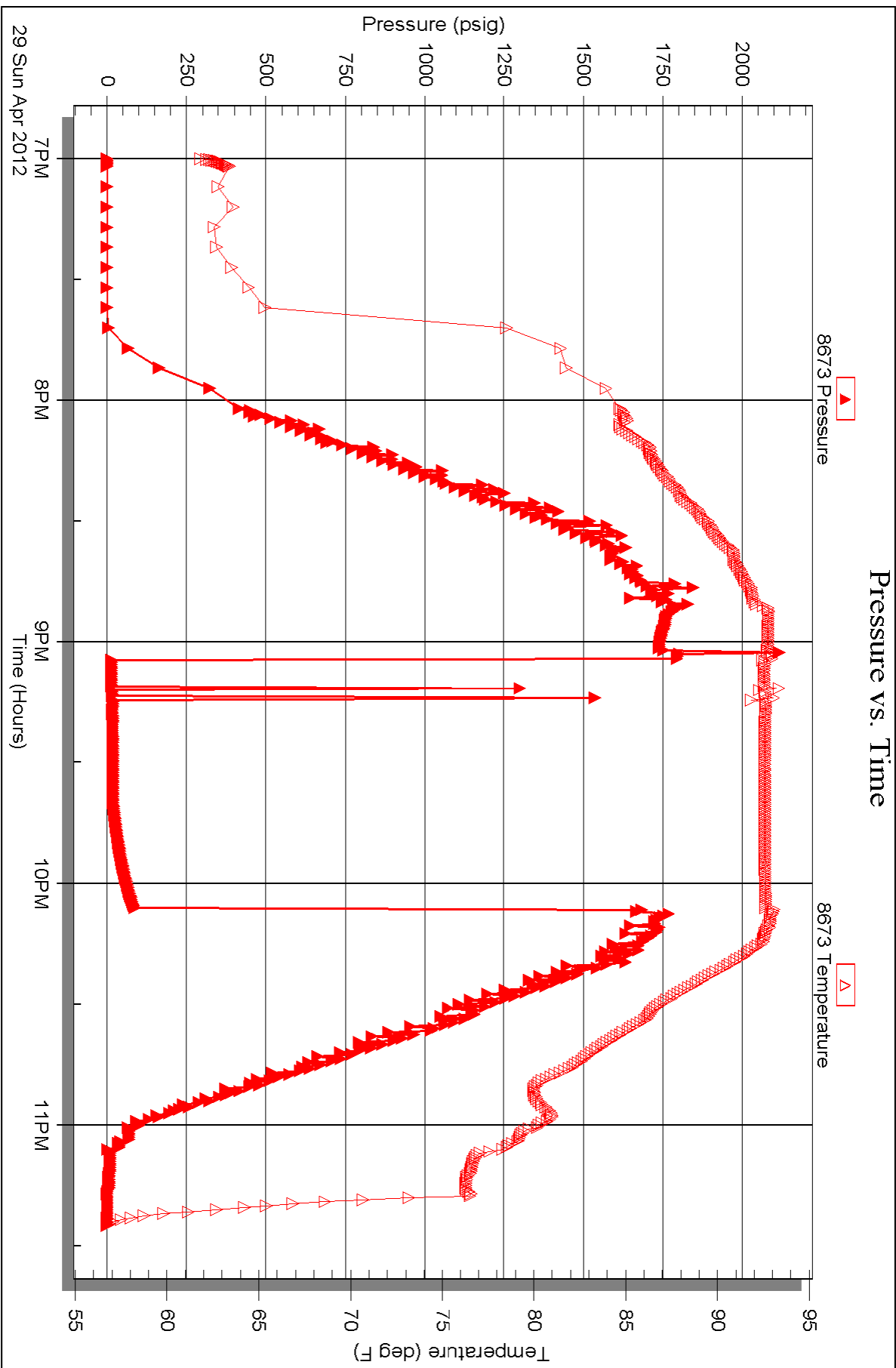


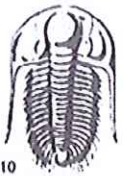
Serial #: 8673

Outside Baird Oil Company, LLC

Arlene Mulder

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAY 03 2012

Test Ticket

BY: _____

NO. 46064

Well Name & No. Barid oil Company, LLC. Arlene Muller Test No. 1 Date 04-29-2012
 Company Barid oil Company, LLC. Elevation 2275 KB 2270 GL
 Address 113 W. main P.O. Box 428 Logan Ks. 67646
 Co. Rep/Geo. Richard Bell Rig WWS
 Location: Sec. 22 Twp. 35 Rge. 22 Co. Norton State Ks

Interval Tested 3532 3558 Zone Tested LKC-A
 Anchor Length 23 Drill Pipe Run 3346 Mud Wt. 9.10
 Top Packer Depth 3527 Drill Collars Run 124 Vis 54
 Bottom Packer Depth 3532 Wt. Pipe Run 0 WL 6.10
 Total Depth 3558 Chlorides 1000 ppm System LCM 2H

Blow Description IF: Bled 38 ft to bottom, Tool didn't open during slid. Weak blow weak surface. Flushed tool, weak surface, Dead in 7 mins.

ISI: No blow back over 30 mins
Pulled tool.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Feet of mud with oil specs</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 10 BHT 92.7 Gravity 1150 API RW 328.60 @ 5-01-12 °F Chlorides 1000 ppm

(A) Initial Hydrostatic 2167 Test 1150 T-On Location 18:50
 (B) First Initial Flow 11 Jars 19:30 T-Started 19:30
 (C) First Final Flow 20 Safety Joint 21:04 T-Open 21:04
 (D) Initial Shut-In 84 Circ Sub 20:35 T-Pulled 20:35
 (E) Second Initial Flow Hourly Standby T-Out 23:50
 (F) Second Final Flow Mileage 400 RT 164.30 x 2 Comments Landed on 5-01-12 at 5:42 AM
 (G) Final Shut-In 328.60 Last test Ended 4-29/23:50
 (H) Final Hydrostatic 1766 Ruined Shale Packer
 Ruined Packer
 Extra Copies

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Extra Recorder 4-29 at 23:50 pm Sub Total 800
 Day Standby 5-01-5:42 AM Total 2278.60
 Accessibility MP/DST Disc't
 Sub Total 1478.60

Approved By _____ Our Representative Chuk Hays #61

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