



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1199582
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: _____

1199582

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	Donna Fae 1
Doc ID	1199582

Tops

Name	Top	Datum
Stone Corral	1818	+384
Base Stone Corral	1838	+364
Topeka	3183	-981
Heebner	3387	-1185
Toronto	3416	-1214
Lansing	3433	-1231
Muncie Creek	3545	-1343
Stark	3609	-1407



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 140737
Invoice Date: Jan 11, 2014
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Bill To:
Bach Oil Production 82 W. 500 Ln. Phillipsburg, KS 67661

Customer ID	Field Ticket #	Payment Terms	
Bach	55101	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Jan 11, 2014	2/10/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Donna Fae #1		
175.00	CEMENT MATERIALS	Class A Common	17.90	3,132.50
3.29	CEMENT MATERIALS	Gel	23.40	76.99
6.00	CEMENT MATERIALS	Chloride	64.00	384.00
188.99	CEMENT SERVICE	Cubic Feet Charge	2.48	468.70
431.47	CEMENT SERVICE	Ton Mileage Charge	2.60	1,121.82
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
100.00	CEMENT SERVICE	Heavy Vehicle Mileage – 2 units	7.70	770.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Glenn Ginther		
1.00	EQUIPMENT OPERATOR	Nathan Donner		
1.00	EQUIPMENT OPERATOR	Kevin Rupp		

24,743.23

Subtotal	7,686.26
Sales Tax	238.97
Total Invoice Amount	7,925.23
Payment/Credit Applied	
TOTAL	7,925.23

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 1,921.57

ONLY IF PAID ON OR BEFORE

Feb 5, 2014

ALLIED OIL & GAS SERVICES, LLC 055101

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell KS.

DATE <i>1-11-14</i>	SEC. <i>17</i>	TWP. <i>9 S</i>	RANGE <i>19 W</i>	CALLED OUT	ON LOCATION	JOB START <i>8:40 PM</i>	JOB FINISH <i>8:45 PM</i>
LEASE <i>Done For</i>	WELL# <i>1</i>	LOCATION <i>Phillipsburg KS. 10 N 9 W 16 S</i>			COUNTY <i>PHILLIPS</i>	STATE <i>KANSAS</i>	
OLD OR <u>NEW</u> (Circle one)				<i>Y2E</i>			

CONTRACTOR *MURFIN DAIG, Rig #24*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *220*

CASING SIZE *8 5/8 New* DEPTH *219*

TUBING SIZE *2 3/8 csg* DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *1.5'*

PERFS.

DISPLACEMENT *13 / BBL*

EQUIPMENT

PUMP TRUCK CEMENTER *Alena G.*

409 HELPER *Nathan D.*

BULK TRUCK

378 DRIVER *Kevin R.*

BULK TRUCK

DRIVER

OWNER

CEMENT

AMOUNT ORDERED *175 sx Comm.*

32cc

22 GEL

COMMON <i>175</i>	@ <i>17.90</i>	<i>3132.50</i>
POZMIX	@	
GEL <i>3.29</i>	@ <i>23.40</i>	<i>76.99</i>
CHLORIDE <i>6</i>	@ <i>64.00</i>	<i>384.00</i>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <i>186.99</i>	@ <i>2.48</i>	<i>468.71</i>
MILEAGE <i>50 43.48</i>	@ <i>2.60</i>	<i>1121.84</i>
TOTAL		<i>5184.03</i>

REMARKS:

Ran 5 New Joints of 23# 8 5/8 csg. Set @ 219, received circulation & cement w/ 175 sx Comm, 3 1/2, Displaced 13 / BBL @ 250# & Shut in @ 250#.

Cement did circulate to surface!

THANKS

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE *1512.25*

EXTRA FOOTAGE @ *770.00*

MILEAGE *50 HUNT* @ *7.70* *385.00*

MANIFOLD @

LUMP *50* @ *4.40* *220.00*

TOTAL *2502.25*

CHARGE TO: *Bach Oil Company*

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)

TOTAL CHARGES *7686.28*

DISCOUNT *1921.57* IF PAID IN 30 DAYS

\$ 5764.71

PRINTED NAME *Anthony Martin*

SIGNATURE *Anthony Martin*



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 140927
Invoice Date: Jan 17, 2014
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Bill To:
Bach Oil Production 82 W. 500 Ln. Phillipsburg, KS 67661

Customer ID	Field Ticket #	Payment Terms	
Bach	61844	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Great Bend	Jan 17, 2014	2/16/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Donna Fae #1		
132.00	CEMENT MATERIALS	Class A Common	17.90	2,362.80
88.00	CEMENT MATERIALS	Pozmix	9.35	822.80
8.00	CEMENT MATERIALS	Gel	23.40	187.20
55.00	CEMENT MATERIALS	Flo Seal	2.97	163.35
236.99	CEMENT SERVICE	Cubic Feet Charge	2.48	587.74
494.00	CEMENT SERVICE	Ton Mileage Charge	2.60	1,284.40
1.00	CEMENT SERVICE	Rotary Plug	2,249.84	2,249.84
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	107.64	107.64
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Kevin Eddy		
1.00	OPERATOR ASSISTANT	Kevin Weighous		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,674.15

ONLY IF PAID ON OR BEFORE
Feb 11, 2014

Subtotal	8,370.77
Sales Tax	556.66
Total Invoice Amount	8,927.43
Payment/Credit Applied	
TOTAL	8,927.43

ALLIED OIL & GAS SERVICES, LLC 061844

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend KS

DATE <u>1-17-14</u>	SEC. <u>17</u>	TWP. <u>2</u>	RANGE <u>19W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 AM</u>	JOB FINISH <u>10:30 AM</u>
LEASE <u>Donna Fae</u> WELL # <u>1</u>			LOCATION <u>Phillipsburg 10W 6N</u>		COUNTY <u>Phillips</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			FINTO				

CONTRACTOR Murphy #29
 TYPE OF JOB Rotary Plug
 HOLE SIZE 7 7/8 I.D.
 CASING SIZE 8 5/8 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 1 1/2 DEPTH 1835
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 19.11

OWNER
 CEMENT
 AMOUNT ORDERED 220 SKS 60% class 4
40 yd post 47 gal 44 gal
 COMMON 132 @ 17.90 2362.80
 POZMIX 88 @ 9.35 822.80
 GEL 8 @ 23.40 187.20
 CHLORIDE @
 ASC @
Flowed 55 @ 2.97 163.35
 @
 @
 @
 @
 @
 @
 HANDLING 236.99 @ 2.48 587.74
 MILEAGE 9.88 x 50 @ 2.60 256.40
 TOTAL 5408.29

PERFS.
 DISPLACEMENT Fresh water
 EQUIPMENT
 PUMP TRUCK CEMENTER Dustin Chambers
 # 366 HELPER Karla Biddy
 BULK TRUCK
 # 610-170 DRIVER Karla Weighs
 BULK TRUCK
 # DRIVER

REMARKS:
Fill hole with Poly mud
1.1835 - 25 SKS
2.1200 - 100 SKS
3.270 - 40 SKS
4.410 - 10 SKS
5. RH - 40 SKS
6. MH - 15 SKS
plug down 10:00 AM

CHARGE TO: Bach Oil Co.
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE
 DEPTH OF JOB 1835
 PUMP TRUCK CHARGE 2249.84
 EXTRA FOOTAGE @
 MILEAGE HVM 50 @ 7.70 385.00
 MANIFOLD @
LVM 50 @ 4.40 220.00
 @
 TOTAL 2854.84

PLUG & FLOAT EQUIPMENT
1- 3/4 Wood Plug @ 107.64 107.64
 @
 @
 @
 @
 TOTAL 107.64

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME x Anthony Martin
 SIGNATURE x Anthony Martin
John K. Scott

SALES TAX (If Any) _____
 TOTAL CHARGES 8,370.77
1,674.15
 DISCOUNT _____ IF PAID IN 30 DAYS
\$ 6,696.61

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: DONNA FAE #1

LOC.: 2000' FSL & 1850' FWL
 SEC. 17-2-19W
 PHILLIPS COUNTY, KANSAS
 API: 15-147-20729-00-00

DRILLING CONTR.: MURFIN RIG #24
 SPUD: 1-11-14 COMP: 1-17-14
 MUD UP: 2850' TYPE MUD: CHEM.
 DRILL TIME: 3050 to' RTD
 RTD: 3656' LTD: 3656
 SAMPLES SAVED: 3050'-RTD
 GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2202
 GL: 2197
 LOG MEASURED
 FROM: KB

SURFACE CASING

20# 8 5/8 "
 Casing set @ 218
 w/175 SX

PRODUCTION CASING

D&A

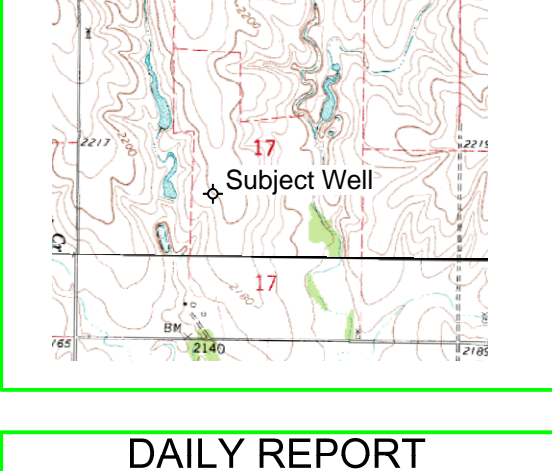
WELL LOG SURVEYS

CDL/DIL

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	1818	+384	-7
Base Stone Corral	1838	+364	-1
Topeka	3183	-981	+7
Heebner	3387	-1185	+13
Toronto	3416	-1214	+10
Lansing	3433	-1231	+7
Muncie Creek	3545	-1343	+11
Stark	3609	-1407	+10

NOTE: SAMPLE TOPS ARE APPROX. 5 TO 6 FEET LOW TO LOG TOPS.



REFERENCE WELL:

Morris Sitrin
 Kats #1
 SE SE NW
 20-2-19W

DAILY REPORT @7:00 A.M.

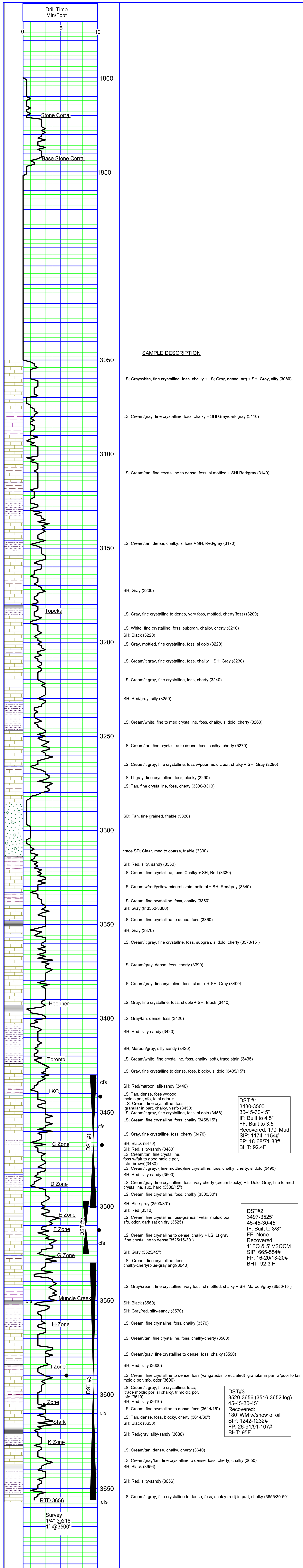
1-11-14 MIRU SPUD
 1-12-14 445' Drilling
 1-13-14 2345' Drilling
 1-14-14 3330' Drilling
 1-15-14 3500' DST #1
 1-16-14 3600' Drilling
 1-17-14 3656' RTD

REMARKS AND RECOMMENDATIONS

This well was plugged and abandoned by the operator.

Respectfully submitted,

Robert J. Petersen
 Robert J. Petersen





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

P.O. Box 723
Alma, NE 68920

ATTN: Bob Peterson ,Jason

Donna Fae Well #1

17-2s-19w Phillips,KS

Start Date: 2014.01.15 @ 00:40:01

End Date: 2014.01.15 @ 07:13:40

Job Ticket #: 55472 DST #: 1

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

Printed: 2014.01.17 @ 15:05:46

Bach Oil Production
17-2s-19w Phillips,KS
Donna Fae Well #1
DST # 1
LKC A-D
2014.01.15



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

ATTN: Bob Peterson, Jason

Job Ticket: 55472

DST#: 1

Test Start: 2014.01.15 @ 00:40:01

GENERAL INFORMATION:

Formation: **LKC A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:44:51

Time Test Ended: 07:13:40

Test Type: Conventional Bottom Hole (Initial)

Tester: Tim Phillips

Unit No: 70

Interval: 3430.00 ft (KB) To 3500.00 ft (KB) (TVD)

Reference Elevations: 2202.00 ft (KB)

Total Depth: 3500.00 ft (KB) (TVD)

2197.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8369 Outside

Press@RunDepth: 88.42 psig @ 3431.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.15 End Date: 2014.01.15

Last Calib.: 2014.01.15

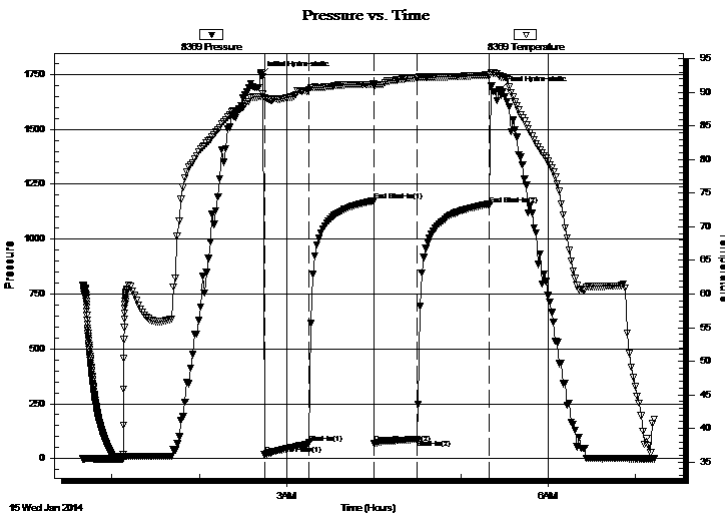
Start Time: 00:40:02 End Time: 07:13:41

Time On Btm: 2014.01.15 @ 02:42:21

Time Off Btm: 2014.01.15 @ 05:26:21

TEST COMMENT: IFP-30-Medium blow built to 4 1/2"
ISI-45-Dead no blow back
FF-30-Medium blow built to 3 1/2"
FSI-45-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1746.40	89.41	Initial Hydro-static
3	18.34	89.24	Open To Flow (1)
33	68.71	90.46	Shut-In(1)
78	1174.31	91.22	End Shut-In(1)
78	71.21	90.92	Open To Flow (2)
108	88.42	92.18	Shut-In(2)
158	1156.85	92.58	End Shut-In(2)
164	1675.57	92.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
170.00	100% Mud	1.23

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

ATTN: Bob Peterson ,Jason

Job Ticket: 55472 **DST#: 1**

Test Start: 2014.01.15 @ 00:40:01

GENERAL INFORMATION:

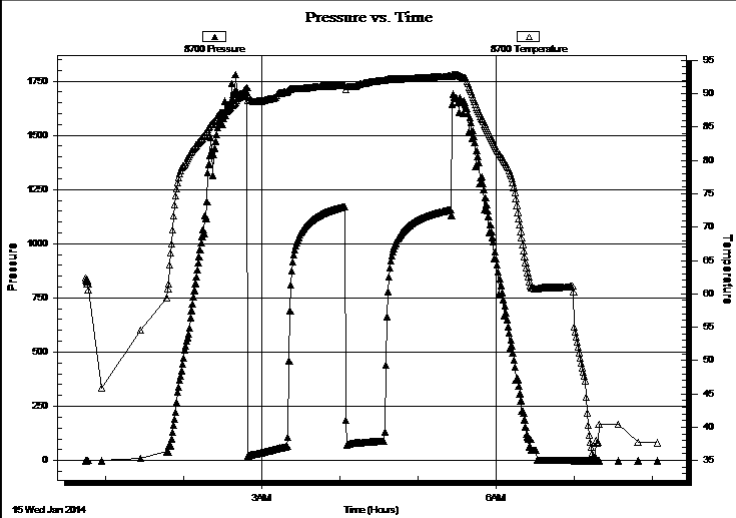
Formation: LKC A-D
Deviated: No Whipstock: ft (KB)
Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 02:44:51
Tester: Tim Phillips
Time Test Ended: 07:13:40
Unit No: 70
Interval: 3430.00 ft (KB) To 3500.00 ft (KB) (TVD)
Reference Elevations: 2202.00 ft (KB)
Total Depth: 3500.00 ft (KB) (TVD) 2197.00 ft (CF)
Hole Diameter: 7.85 inches
Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8700

Inside

Press@RunDepth: psig @ 3431.00 ft (KB) **Capacity:** 8000.00 psig
Start Date: 2014.01.15 **End Date:** 2014.01.15 **Last Calib.:** 2014.01.15
Start Time: 00:45:01 **End Time:** 08:13:39 **Time On Btm:**
Time Off Btm:

TEST COMMENT: IFP-30-Medium blow built to 4 1/2"
 ISI-45-Dead no blow back
 FF-30-Medium blow built to 3 1/2"
 FSI-45-Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
170.00	100% Mud	1.23

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

Job Ticket: 55472

DST#: 1

ATTN: Bob Peterson ,Jason

Test Start: 2014.01.15 @ 00:40:01

Tool Information

Drill Pipe:	Length: 3288.00 ft	Diameter: 3.80 inches	Volume: 46.12 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 127.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose:	lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	46000.00 lb
Drill Pipe Above KB:	13.00 ft			Final	lb
Depth to Top Packer:	3430.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	70.00 ft				
Tool Length:	98.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3403.00	
Shut In Tool	5.00			3408.00	
Hydraulic tool	5.00			3413.00	
Jars	5.00			3418.00	
Safety Joint	2.00			3420.00	
Packer	5.00			3425.00	28.00 Bottom Of Top Packer
Packer	5.00			3430.00	
Stubb	1.00			3431.00	
Recorder	0.00	8700	Inside	3431.00	
Recorder	0.00	8369	Outside	3431.00	
Perforations	33.00			3464.00	
Change Over Sub	1.00			3465.00	
Drill Pipe	31.00			3496.00	
Change Over Sub	1.00			3497.00	
Bullnose	3.00			3500.00	70.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

Job Ticket: 55472

DST#: 1

ATTN: Bob Peterson ,Jason

Test Start: 2014.01.15 @ 00:40:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
170.00	100% Mud	1.228

Total Length: 170.00 ft Total Volume: 1.228 bbl

Num Fluid Samples: 0

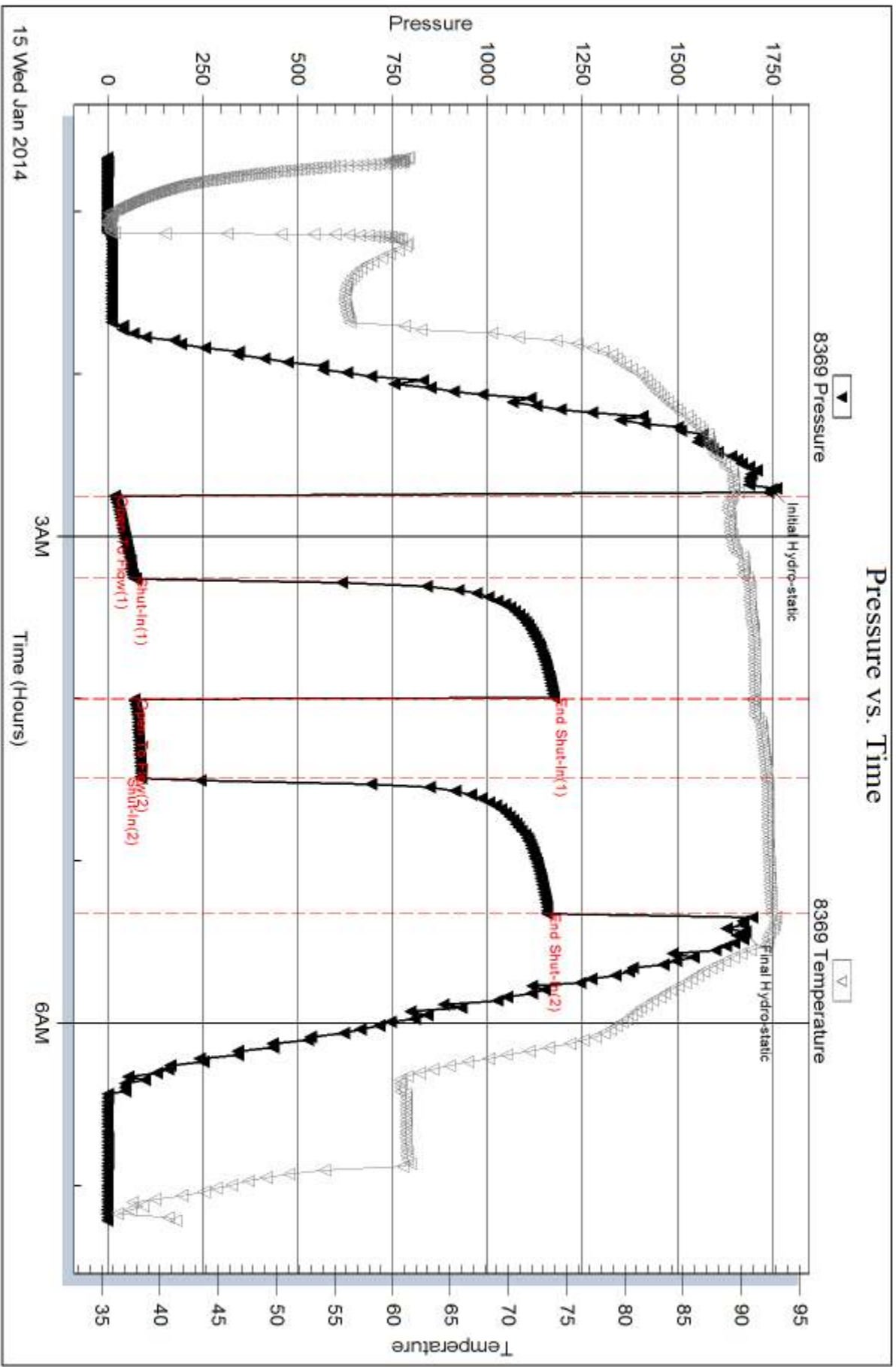
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



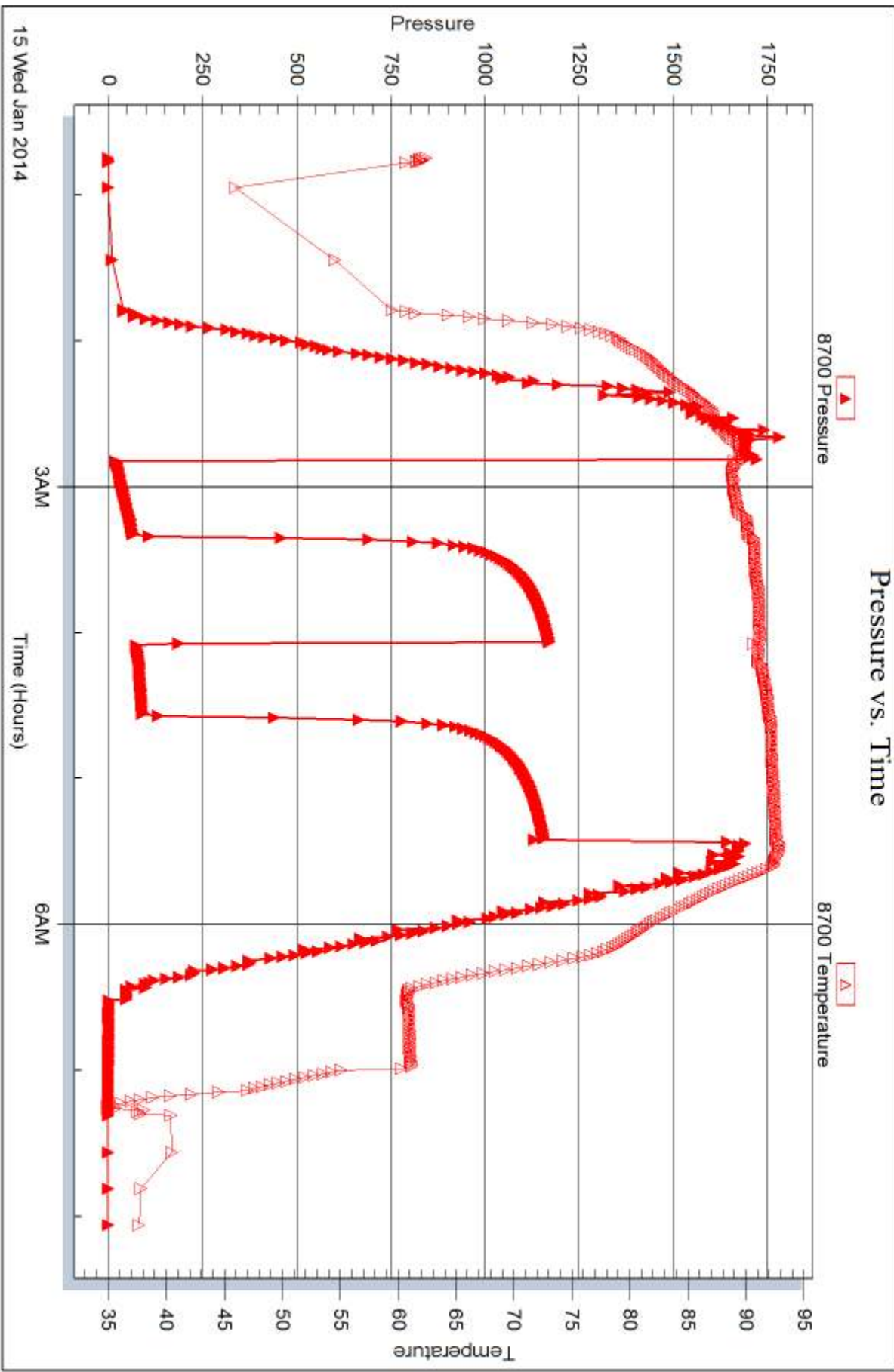
Serial #: 8700

Inside

Bach Oil Production

Donna Fae Well #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55A72

Printed: 2014.01.17 @ 15:05:48



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

P.O. Box 723
Alma, NE 68920

ATTN: Bob Peterson ,Jason

Donna Fae Well #1

17-2s-19w Phillips,KS

Start Date: 2014.01.15 @ 12:47:33

End Date: 2014.01.15 @ 23:33:33

Job Ticket #: 55473 DST #: 2

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

Printed: 2014.01.17 @ 15:04:49



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

Job Ticket: 55473

DST#: 2

ATTN: Bob Peterson ,Jason

Test Start: 2014.01.15 @ 12:47:33

GENERAL INFORMATION:

Formation: **LKC F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:43:13

Time Test Ended: 23:33:33

Test Type: Conventional Bottom Hole (Reset)

Tester: Tim Phillips

Unit No: 70

Interval: 3497.00 ft (KB) To 3525.00 ft (KB) (TVD)

Reference Elevations: 2202.00 ft (KB)

Total Depth: 3525.00 ft (KB) (TVD)

2197.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press@RunDepth: 19.97 psig @ 3498.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.15

End Date:

2014.01.15

Last Calib.:

2014.01.16

Start Time: 12:47:34

End Time:

23:33:33

Time On Btm:

2014.01.15 @ 18:40:42

Time Off Btm:

2014.01.15 @ 21:39:13

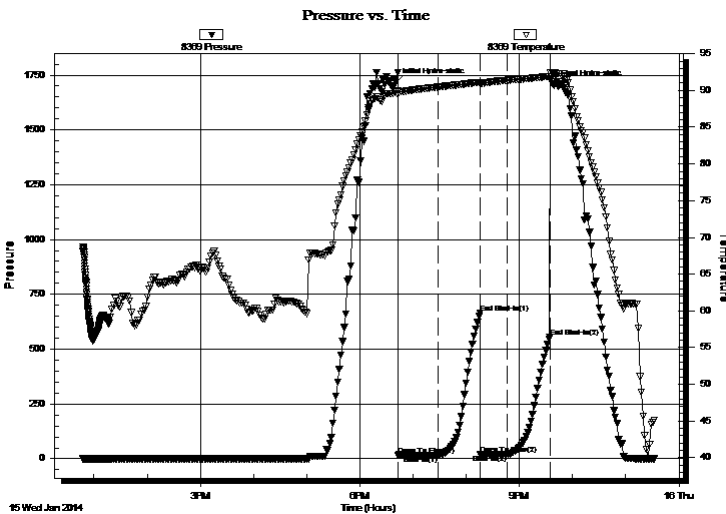
TEST COMMENT: IFP-45-Weak blow built to 3/8"

ISI-45-Dead no blow back

FF-30-Dead no blow

FSI-45-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1714.57	89.83	Initial Hydro-static
3	17.05	89.41	Open To Flow (1)
48	17.21	90.48	Shut-In(1)
95	663.42	91.12	End Shut-In(1)
96	20.14	90.86	Open To Flow (2)
126	19.97	91.38	Shut-In(2)
174	555.97	91.91	End Shut-In(2)
179	1704.89	92.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	VSOCM 2%Oil, 98%Mud	0.02
1.00	Free Oil 100% Oil	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

ATTN: Bob Peterson, Jason

Job Ticket: 55473 **DST#: 2**

Test Start: 2014.01.15 @ 12:47:33

GENERAL INFORMATION:

Formation: **LKC F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:43:13

Time Test Ended: 23:33:33

Test Type: Conventional Bottom Hole (Reset)

Tester: Tim Phillips

Unit No: 70

Interval: 3497.00 ft (KB) To 3525.00 ft (KB) (TVD)

Reference Elevations: 2202.00 ft (KB)

Total Depth: 3525.00 ft (KB) (TVD)

2197.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8700 Outside

Press@RunDepth: psig @ 3498.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.15 End Date: 2014.01.15

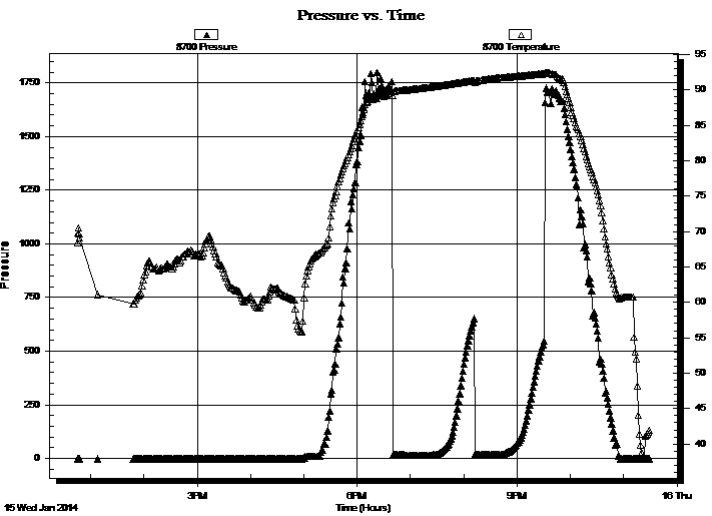
Last Calib.: 2014.01.16

Start Time: 12:45:39 End Time: 23:29:49

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-45-Weak blow built to 3/8"
ISI-45-Dead no blow back
FF-30-Dead no blow
FSI-45-Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	VSOCM 2% Oil, 98% Mud	0.02
1.00	Free Oil 100% Oil	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

Job Ticket: 55473

DST#: 2

ATTN: Bob Peterson ,Jason

Test Start: 2014.01.15 @ 12:47:33

Tool Information

Drill Pipe:	Length: 3369.00 ft	Diameter: 3.80 inches	Volume: 47.26 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 127.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 47.88 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3497.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3470.00	
Shut In Tool	5.00			3475.00	
Hydraulic tool	5.00			3480.00	
Jars	5.00			3485.00	
Safety Joint	2.00			3487.00	
Packer	5.00			3492.00	28.00 Bottom Of Top Packer
Packer	5.00			3497.00	
Stubb	1.00			3498.00	
Recorder	0.00	8369	Inside	3498.00	
Recorder	0.00	8700	Outside	3498.00	
Perforations	24.00			3522.00	
Bullnose	3.00			3525.00	28.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

Job Ticket: 55473

DST#: 2

ATTN: Bob Peterson ,Jason

Test Start: 2014.01.15 @ 12:47:33

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 4.77 in³
Resistivity: ohm.m
Salinity: 3000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	VSOCM 2% Oil, 98% Mud	0.025
1.00	Free Oil 100% Oil	0.005

Total Length: 6.00 ft Total Volume: 0.030 bbl

Num Fluid Samples: 0

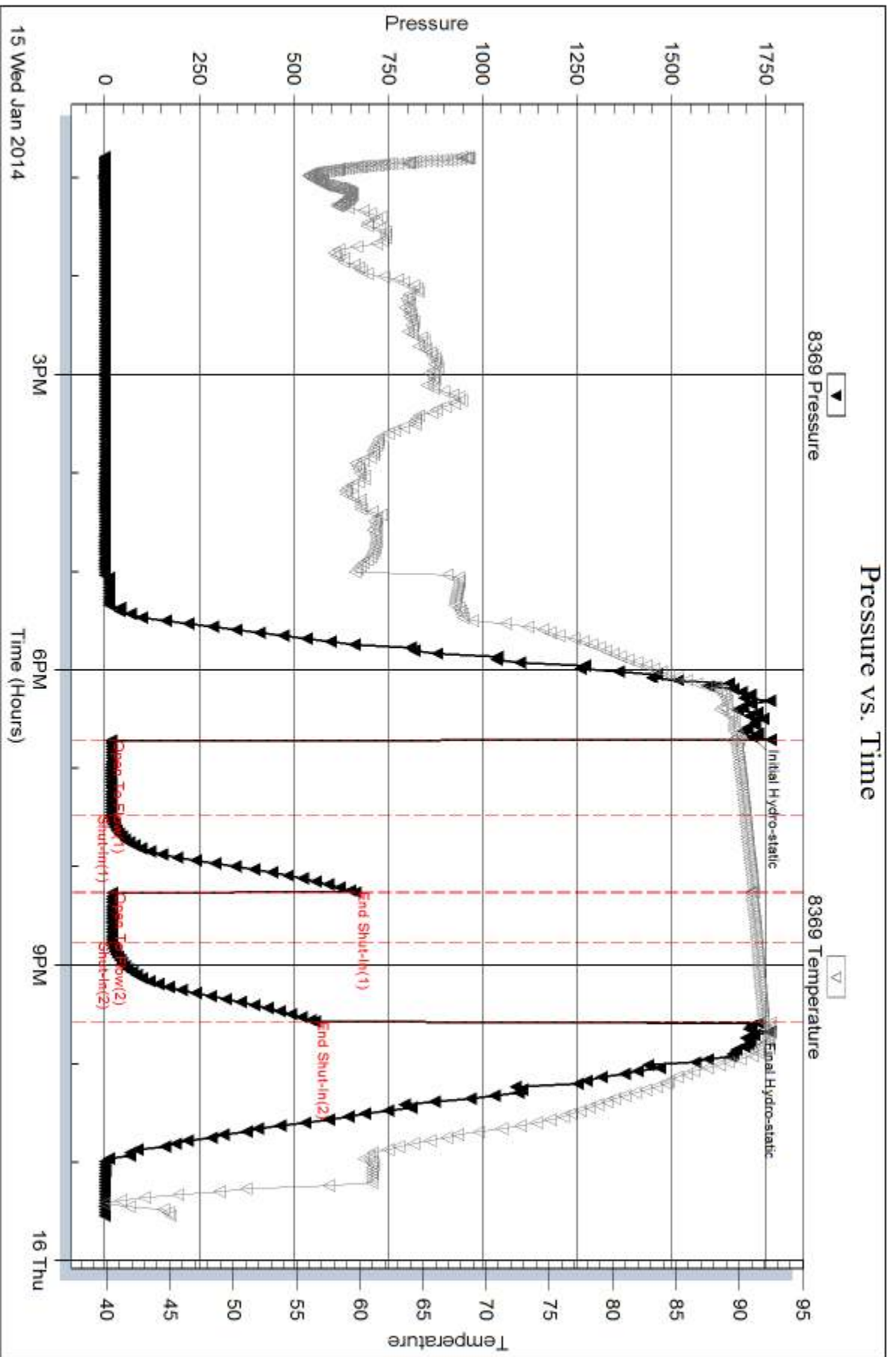
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

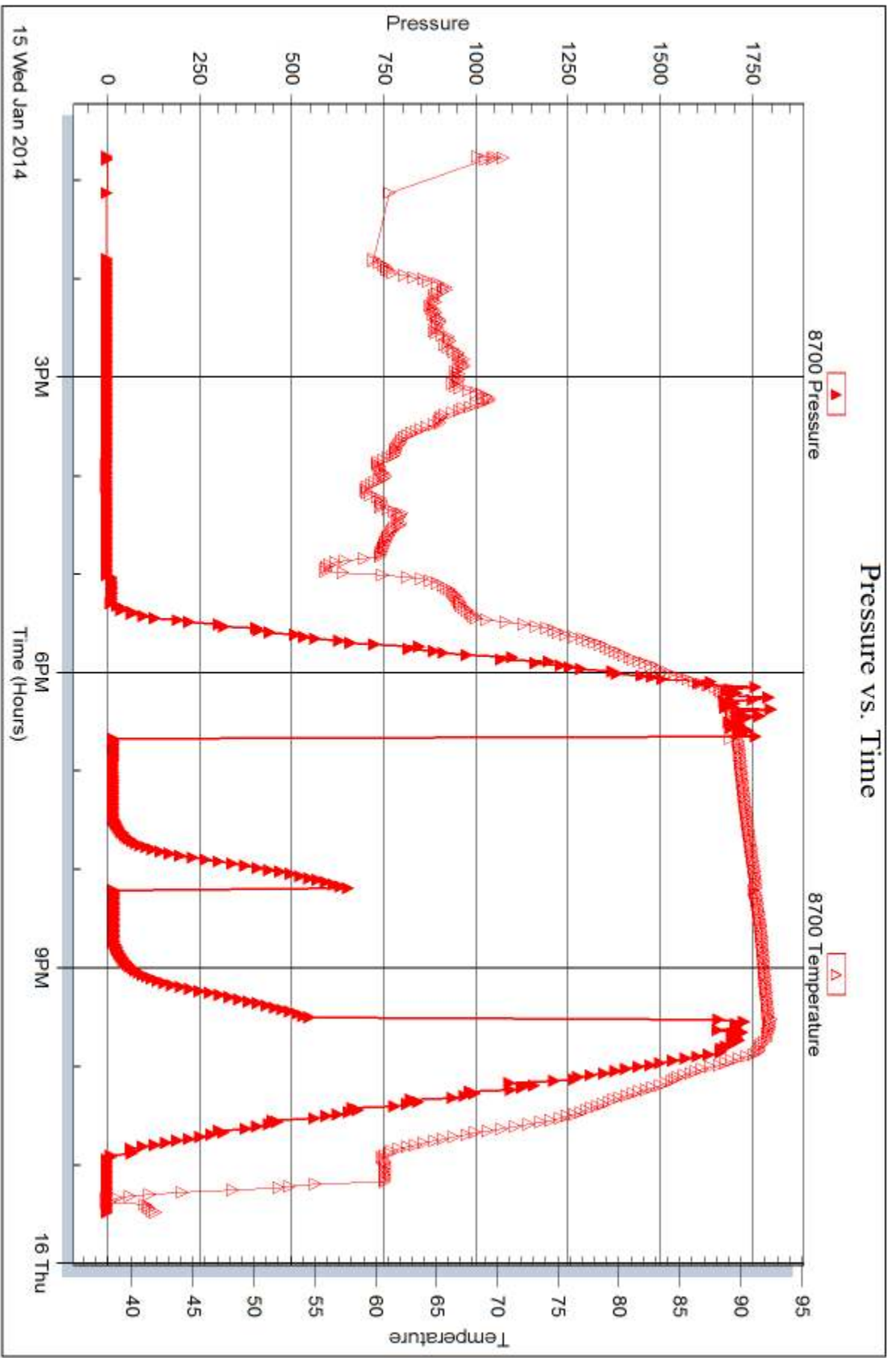


Serial #: 8700

Outside Bach Oil Production

Donna Fae Well #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 55473

Printed: 2014.01.17 @ 15:04:51



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

P.O. Box 723
Alma, NE 68920

ATTN: Bob Peterson ,Jason

Donna Fae Well #1

17-2s-19w Phillips,KS

Start Date: 2014.01.16 @ 17:40:32

End Date: 2014.01.17 @ 00:17:11

Job Ticket #: 55474 DST #: 3

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

Printed: 2014.01.17 @ 15:04:17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

ATTN: Bob Peterson ,Jason

Job Ticket: 55474

DST#: 3

Test Start: 2014.01.16 @ 17:40:32

GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:27:27

Time Test Ended: 00:17:11

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3516.00 ft (KB) To 3652.00 ft (KB) (TVD)

Reference Elevations: 2202.00 ft (KB)

Total Depth: 3652.00 ft (KB) (TVD)

2197.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press@RunDepth: 107.13 psig @ 3524.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.16

End Date:

2014.01.17

Last Calib.: 2014.01.17

Start Time: 17:40:32

End Time:

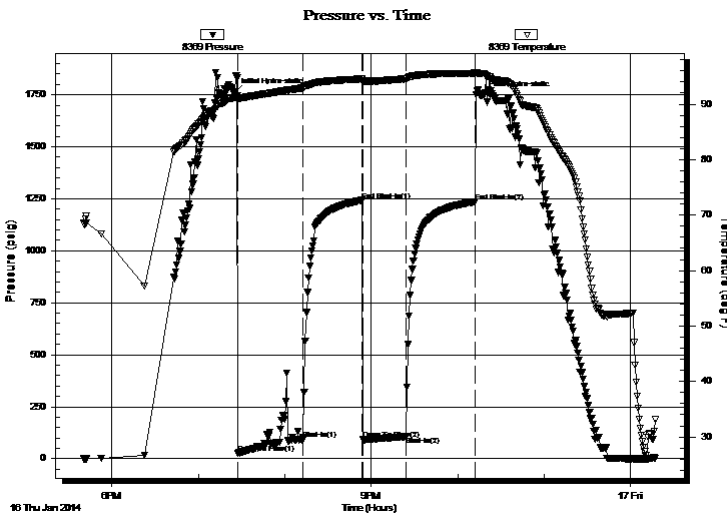
00:17:11

Time On Btm: 2014.01.16 @ 19:25:12

Time Off Btm: 2014.01.16 @ 22:16:56

TEST COMMENT: 45-IFP-w k to a fr bl 1" to 4 1/2" bl
45-ISIP-no bl
30-FFP-w k bl thru-out 1/4" to 1/2" bl
45-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1758.83	91.19	Initial Hydro-static
3	26.02	90.78	Open To Flow (1)
48	91.80	92.94	Shut-In(1)
89	1242.25	94.54	End Shut-In(1)
89	91.90	94.20	Open To Flow (2)
119	107.13	94.58	Shut-In(2)
167	1235.83	95.59	End Shut-In(2)
172	1747.78	95.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	WM 40%W60%M w/show of oil	1.44

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

Job Ticket: 55474

DST#: 3

ATTN: Bob Peterson, Jason

Test Start: 2014.01.16 @ 17:40:32

GENERAL INFORMATION:

Formation: **LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:27:27
 Time Test Ended: 00:17:11
 Interval: **3516.00 ft (KB) To 3652.00 ft (KB) (TVD)**
 Total Depth: 3652.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2202.00 ft (KB)
 2197.00 ft (CF)
 KB to GR/CF: 5.00 ft

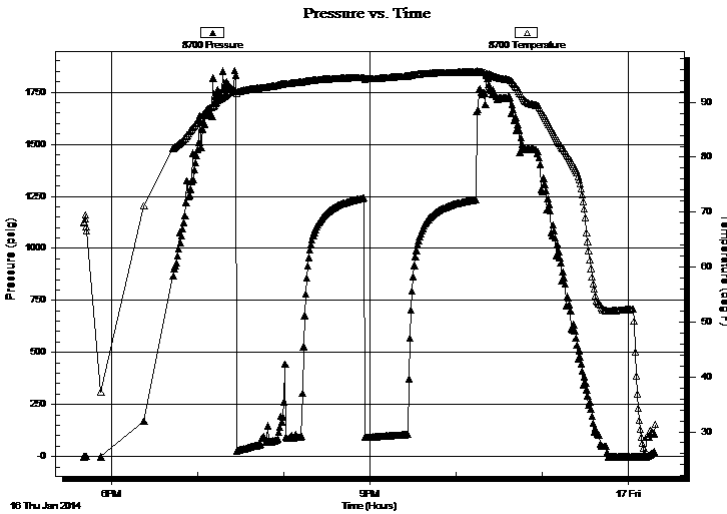
Serial #: 8700

Outside

Press@RunDepth: psig @ 3524.00 ft (KB)
 Start Date: 2014.01.16 End Date: 2014.01.17
 Start Time: 17:40:48 End Time: 00:19:12
 Capacity: 8000.00 psig
 Last Calib.: 2014.01.17
 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45-IFP-w k to a fr bl 1" to 4 1/2" bl
 45-ISIP-no bl
 30-FFP-w k bl thru-out 1/4" to 1/2" bl
 45-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
185.00	WM 40%W60%M w/show of oil	1.44

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

Job Ticket: 55474

DST#: 3

ATTN: Bob Peterson ,Jason

Test Start: 2014.01.16 @ 17:40:32

Tool Information

Drill Pipe:	Length: 3383.00 ft	Diameter: 3.80 inches	Volume: 47.45 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: 127.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 48.07 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3516.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	136.00 ft				
Tool Length:	164.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3489.00	
Shut In Tool	5.00			3494.00	
Hydraulic tool	5.00			3499.00	
Jars	5.00			3504.00	
Safety Joint	2.00			3506.00	
Packer	5.00			3511.00	28.00 Bottom Of Top Packer
Packer	5.00			3516.00	
Stubb	1.00			3517.00	
Perforations	7.00			3524.00	
Recorder	0.00	8369	Inside	3524.00	
Recorder	0.00	8700	Outside	3524.00	
Blank Spacing	125.00			3649.00	
Blank Spacing	3.00			3652.00	136.00 Bottom Packers & Anchor

Total Tool Length: 164.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

17-2s-19w Phillips,KS

P.O. Box 723
Alma, NE 68920

Donna Fae Well #1

Job Ticket: 55474

DST#: 3

ATTN: Bob Peterson ,Jason

Test Start: 2014.01.16 @ 17:40:32

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

102000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	WM 40%W60%M w /show of oil	1.438

Total Length: 185.00 ft Total Volume: 1.438 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .08 @ 65F

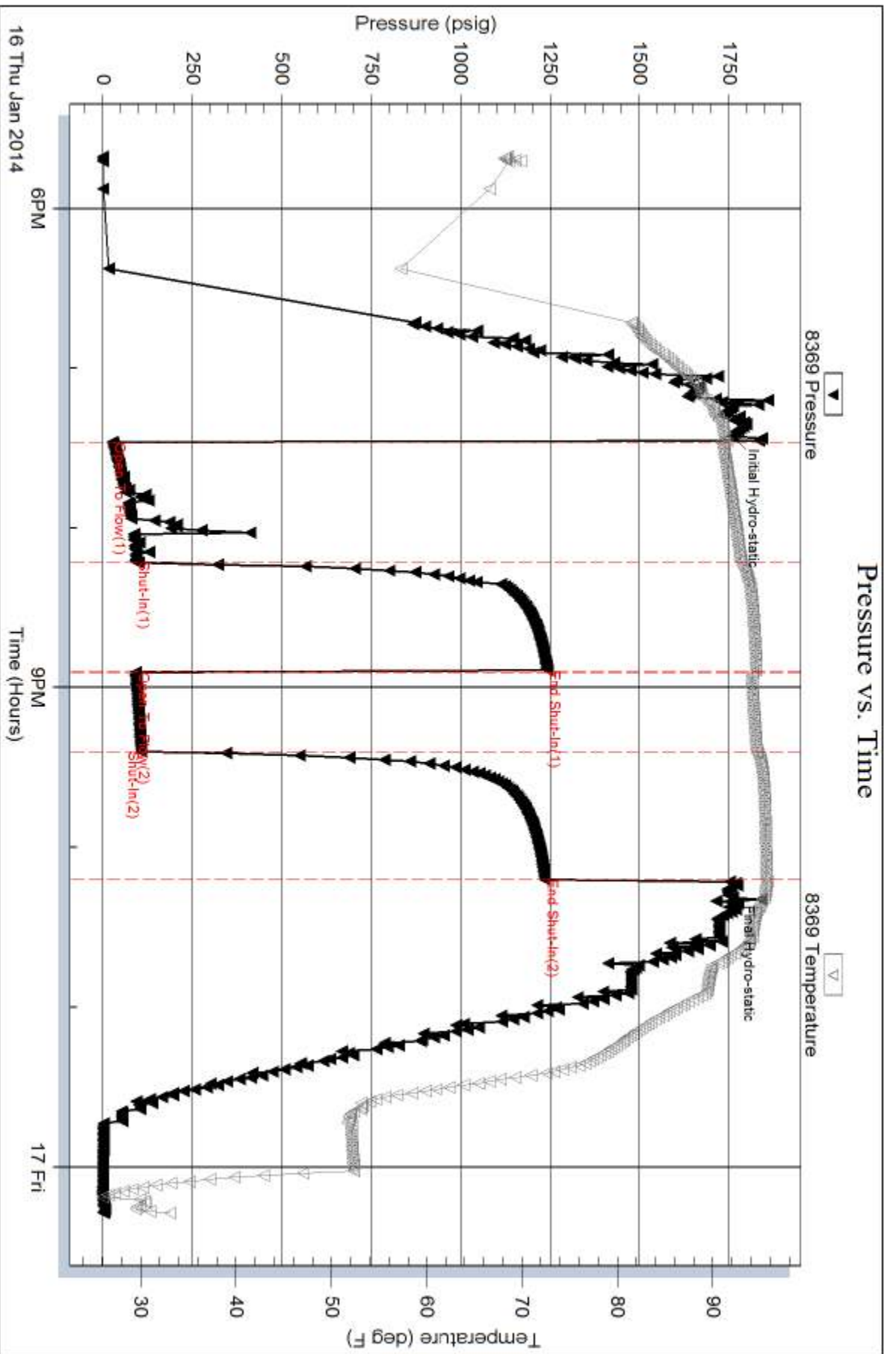
Serial #: 8369

Inside

Bach Oil Production

Donna Fae Well #1

DST Test Number: 3



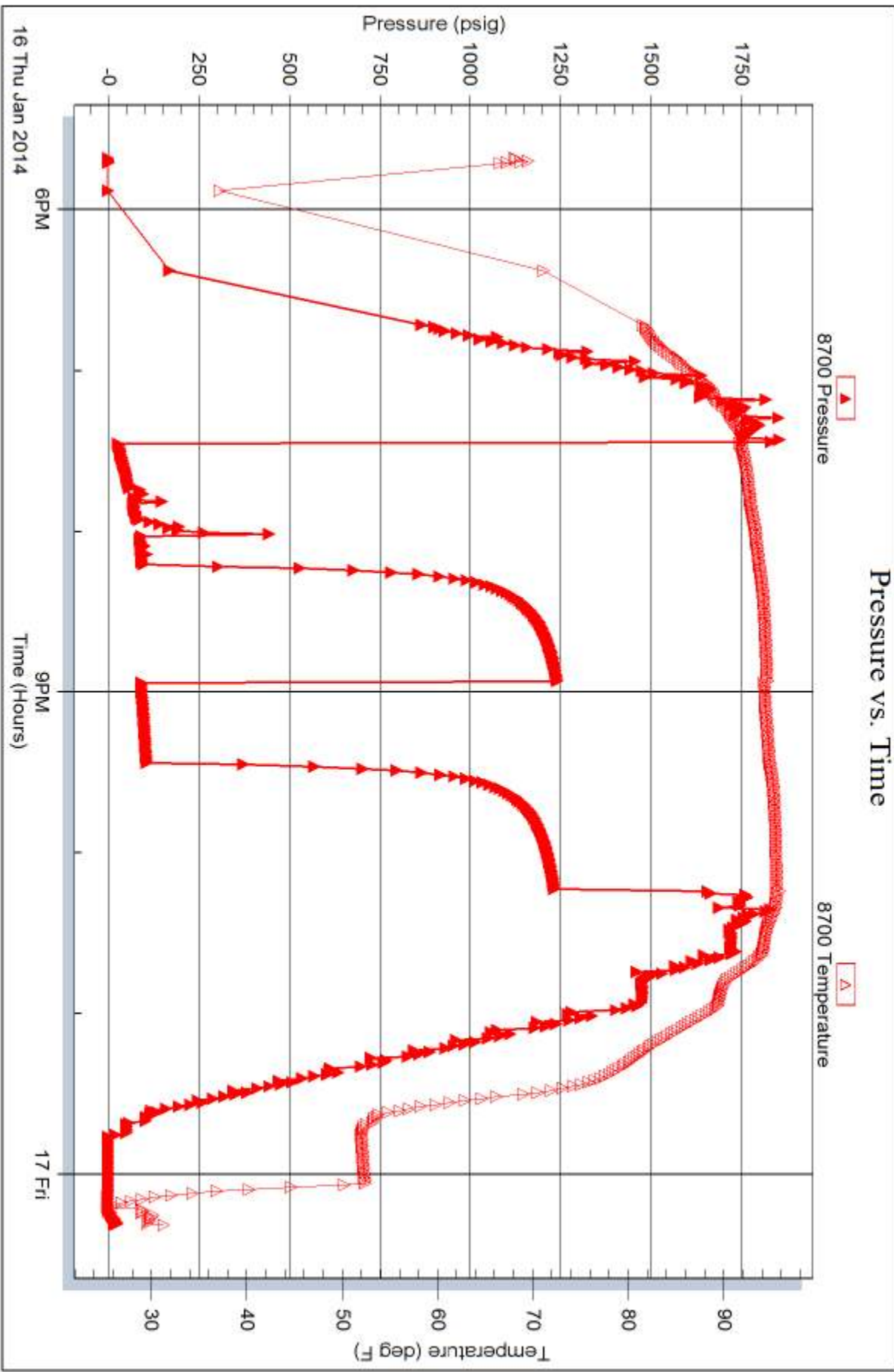
Serial #: 8700

Outside

Bach Oil Production

Donna Fae Well #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55472

Well Name & No. DONNA FAE Well #1 Test No. 1 Date 01/15/2014
 Company Bach Oil Production Elevation 2202 KB 2197 GL
 Address P.O. Box 723 ALMA, NE. 68920
 Co. Rep / Geo. Bob Peterson Rig Murfin #24
 Location: Sec. 17 Twp. 25 Rge. 19W Co. Phillips State KS

Interval Tested 3430 - 3500 Zone Tested LKC A, C, & D
 Anchor Length 70' Drill Pipe Run 3288 Mud Wt. 8.7
 Top Packer Depth 3426 Drill Collars Run 127 Vis 57
 Bottom Packer Depth 3430 Wt. Pipe Run 0 WL 4.8
 Total Depth 3500 Chlorides _____ ppm System LCM N/A

Blow Description IFP - Medium Blow built to 4.5 in
ISI - Dead no blow back
FF - Medium blow built to 3.5 in
FSI - Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>170</u>	<u>Mud</u>			<u>100</u>	
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 170 BHT 92.4 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1746 Test 1150 T-On Location 2348
 (B) First Initial Flow 18 Jars 250 T-Started 0045
 (C) First Final Flow 68 Safety Joint 75 T-Open 0250
 (D) Initial Shut-In 1174 Circ Sub _____ T-Pulled 0520
 (E) Second Initial Flow 71 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 88 Mileage 166 R/T 120rt 186 Comments _____
 (G) Final Shut-In 1156 Sampler _____
 (H) Final Hydrostatic 1675 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1661
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1661

Approved By _____ Our Representative in Phillips

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55473

Well Name & No. DONNA Fae Well #1 Test No. 2 Date 01/15/2014
 Company Bach Oil Production Elevation 2202 KB 2197 GL
 Address P.O. Box 723 Alma, NE 68920
 Co. Rep / Geo. Bob Peterson Rig Murfin #24
 Location: Sec. 17 Twp. 25 Rge. 19W Co. Phillips State KS

Interval Tested 3497 - 3525 Zone Tested LKC F ZONE
 Anchor Length 28' Drill Pipe Run 3369 Mud Wt. 8.7
 Top Packer Depth 3495 Drill Collars Run 127 Vis 57
 Bottom Packer Depth 3497 Wt. Pipe Run 0 WL 4.8
 Total Depth 3525 Chlorides 300 ppm System LCM N/A

Blow Description IFP-45- Weak blow built to 3/8 IN
ISI-45- Dead no blow back
FF-30- No blow
FSL-45- Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>VSOCM</u>	<u>2</u>		<u>98</u>	
<u>1</u>	<u>Free Oil</u>	<u>100</u>			

Rec Total 6 BHT 92.3 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1783 Test 1150 T-On Location 1210
 (B) First Initial Flow 16 Jars 250 T-Started 1247
 (C) First Final Flow 20 Safety Joint 75 T-Open 1845
 (D) Initial Shut-In 665 Circ Sub _____ T-Pulled 2130
 (E) Second Initial Flow 18 Hourly Standby _____ T-Out 2333
 (F) Second Final Flow 20 Mileage 166 R/T 186
 (G) Final Shut-In 554 Sampler _____
 (H) Final Hydrostatic 1793 Straddle _____

Initial Open 45 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 45 Shale Packer _____ Ruined Packer _____
 Final Flow 30 Extra Packer _____ Extra Copies _____
 Final Shut-In 45 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1661
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1661

Approved By _____

Our Representative Jim Phillips

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55474

Well Name & No. Donna FAE #1 Test No. 3 Date 1-16-14
 Company Bach Oil Production Elevation 2202 KB 2197 GL
 Address PO Box 723 ALMA, NE. 68920-0723
 Co. Rep / Geo. Bob Petersen Rig Murphy Rig 24
 Location: Sec. 17 Twp. 2^s Rge. 19^w Co. Phillips State Ks

Interval Tested 3516-3652 Zone Tested LKC "G"
 Anchor Length 136 Drill Pipe Run 3383 Mud Wt. 9.4
 Top Packer Depth 3511 Drill Collars Run 127 Vis 59
 Bottom Packer Depth 3516 Wt. Pipe Run - WL 4.8
 Total Depth 3652 Chlorides 500 ppm System LCM -

Blow Description TFP - WEAK TO A FAIR BLOW 1" TO 4 1/2" BLOW
TSIP - NO BLOW
FFP - WEAK BLOW THRU - OUT 1/4" TO 1/2" BLOW
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>185</u>	<u>WM</u>			<u>40</u>	<u>60</u>
	<u>w/show of oil</u>				

Rec Total 185 BHT 95 Gravity - API RW .08 @ 65 °F Chlorides 102000 ppm

(A) Initial Hydrostatic 1758 Test 1150 T-On Location 1600
 (B) First Initial Flow 26 Jars 250 T-Started 1740
 (C) First Final Flow 91 Safety Joint 75 T-Open 1925
 (D) Initial Shut-In 1242 Circ Sub _____ T-Pulled 2210
 (E) Second Initial Flow 91 Hourly Standby _____ T-Out 0017
 (F) Second Final Flow 107 Mileage 166 RT 186 Comments _____
 (G) Final Shut-In 1235 Sampler _____
 (H) Final Hydrostatic 1747 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 45 Ruined Shale Packer _____
 Initial Shut-In 45 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 45 Sub Total 0
 Sub Total 1661 Total 1661 MP/DST Disc't _____

Approved By _____ Our Representative Ray Schwager Thank you

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