



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1205287
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: _____

1205287

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	OFB 1
Doc ID	1205287

Tops

Name	Top	Datum
Stone Corral	1670	+341
Base Stone Corral	1674	+337
Topeka	3014	-1003
Heebner	3215	-1204
Toronto	3245	-1234
Lansing	3261	-1250
Muncie Creek	3374	-1363
Stark	3438	-1427
LTD	3478	-1467



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 141113
Invoice Date: Jan 28, 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	55024	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Jan 28, 2014	2/27/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	OFB #1	17.90	3,132.50
175.00	CEMENT MATERIALS	Class A Common	23.40	76.99
3.29	CEMENT MATERIALS	Gel	64.00	384.00
6.00	CEMENT MATERIALS	Chloride	2.48	468.70
188.99	CEMENT SERVICE	Cubic Feet Charge	2.60	1,121.85
431.48	CEMENT SERVICE	Ton Mileage Charge	1,512.25	1,512.25
1.00	CEMENT SERVICE	Surface	7.70	385.00
50.00	CEMENT SERVICE	Pump Truck Mileage	4.40	220.00
50.00	CEMENT SERVICE	Light Vehicle Mileage		
1.00	CEMENT SUPERVISOR	Tony Pfannenstiel		
1.00	OPERATOR ASSISTANT	Danny Sinner		
1.00	EQUIPMENT OPERATOR	Kevin Rupp		

Subtotal	7,301.29
Sales Tax	238.97
Total Invoice Amount	7,540.26
Payment/Credit Applied	
TOTAL	7,540.26

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

\$ 1,825.32

ONLY IF PAID ON OR BEFORE
Feb 22, 2014

ALLIED OIL & GAS SERVICES, LLC 055024

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell, K

DATE <u>1.28.14</u>	SEC <u>2</u>	TWP <u>7</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00pm</u>	JOB FINISH <u>10:30pm</u>
LEASE <u>OFB</u>	WELL # <u>#1</u>	LOCATION <u>Phillipsburg, Ks</u>			COUNTY <u>Phillips</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>Murfin #29</u>	OWNER
TYPE OF JOB <u>Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u> RD.	AMOUNT ORDERED <u>175 com</u>
CASING SIZE <u>9 5/8</u> DEPTH <u>218.22'</u>	<u>+ 2% gel + 3% cc</u>
TUBING SIZE DEPTH	COMMON <u>175 sk @ 17.9 = 3,132.50</u>
DRILL PIPE DEPTH	POZMIX @
TOOL DEPTH	GEL <u>3.29 sk @ 23.4 = 76.99</u>
PRES. MAX MINIMUM	CHLORIDE <u>1.5 sk @ 1.40 = 2.10</u>
MEAS. LINE SHOE JOINT <u>15'</u>	ASC @
CEMENT LEFT IN CSG. <u>15'</u>	@
PERFS.	@
DISPLACEMENT <u>12.94 M20</u>	@

EQUIPMENT

PUMP TRUCK # <u>417</u>	CEMENTER <u>Jon P</u>
BULK TRUCK # <u>348</u>	HELPER <u>Danny S</u>
BULK TRUCK #	DRIVER <u>Kevin R</u>
BULK TRUCK #	DRIVER

HANDLING <u>188.99</u> Ft ³ @ <u>2.48</u> = <u>468.71</u>
MILEAGE <u>431.48</u> Tim @ <u>2.60</u> = <u>1,121.84</u>
TOTAL <u>1,590.55</u>

REMARKS:

See Cementing Job log
Cement to Surface

SERVICE

DEPTH OF JOB <u>218.22'</u>	
PUMP TRUCK CHARGE <u>\$1512.25</u>	
EXTRA FOOTAGE @	
MILEAGE <u>Heavy 50m @ 7.70 = 388.0</u>	
MANIFOLD <u>Light 50m @ 4.40 = 220.0</u>	
TOTAL <u>\$2,117.25</u>	

CHARGE TO: ZACH Oil

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.

PRINTED NAME Anthony Martin

SIGNATURE Anthony Martin

SALES TAX (If Any) _____

TOTAL CHARGES \$ 7,801.28

DISCOUNT \$ 1,825.32 IF PAID IN 30 DAYS

Net 5,975.96



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 141246
Invoice Date: Feb 2, 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	55030	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Russell	Feb 2, 2014	3/4/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	O F B #1		
90.00	CEMENT MATERIALS	Class A Common	17.90	1,611.00
60.00	CEMENT MATERIALS	Pozmix	9.35	561.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
3.00	CEMENT MATERIALS	Chloride	64.00	192.00
16.00	CEMENT MATERIALS	Salt	26.35	421.60
450.00	CEMENT MATERIALS	AMD Blend	25.90	11,655.00
2,250.00	CEMENT MATERIALS	Gilsonite	0.98	2,205.00
735.26	CEMENT SERVICE	Cubic Feet Charge	2.48	1,823.44
1,588.00	CEMENT SERVICE	Ton Mileage Charge	2.60	4,128.80
1.00	CEMENT SERVICE	Long String	2,558.75	2,558.75
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	5-1/2 Float Shoe	408.75	408.75
1.00	EQUIPMENT SALES	5-1/2 AFU Latch Down	495.00	495.00
10.00	EQUIPMENT SALES	5-1/2 Centralizer	42.75	427.50
5.00	EQUIPMENT SALES	5-1/2 Basket	296.25	1,481.25
1.00	CEMENT SUPERVISOR	Tony Pfannenstiel		
1.00	OPERATOR ASSISTANT	Danny Sinner		
1.00	OPERATOR ASSISTANT	Jesse Cozart		
1.00	OPERATOR ASSISTANT	Joe Goodson		

Subtotal	28,644.29
Sales Tax	1,298.63
Total Invoice Amount	29,942.92
Payment/Credit Applied	
TOTAL	29,942.92

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

\$ 7,232.90

ONLY IF PAID ON OR BEFORE
Feb 27, 2014

ALLIED OIL & GAS SERVICES, LLC 055030

Federal Tax I.D.# 20-5975804

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

SERVICE POINT

Russell JR

DATE <i>2.2.14</i>	SEC <i>2</i>	TWP <i>15</i>	RANGE <i>19</i>	CALLED OUT	ON LOCATION	JOB START <i>9:30am</i>	JOB FINISH <i>10:00am</i>
LEASE <i>OFB</i>	WELL # <i>1</i>	LOCATION <i>Phillipsburg R1</i>		COUNTY <i>Phillips</i>	STATE <i>Ks</i>		
OLD OR <u>NEW</u> (Circle one)		<i>N to Jct 183 & 383 N to 520 rd</i>					

CONTRACTOR <i>Wuspin #24</i>	OWNER
TYPE OF JOB <i>Long String</i>	
HOLE SIZE <i>7 7/8</i>	T.D.
CASING SIZE <i>5 1/2</i>	DEPTH <i>3480'</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <i>11.43'</i>
CEMENT LEFT IN CSG. <i>11.43'</i>	
PERFS.	
DISPLACEMENT <i>82.44</i>	<i>11.43'</i>

EQUIPMENT

PUMP TRUCK CEMENTER <i>Andy P</i>	
# <i>417</i>	HELPER <i>Danys</i>
BULK TRUCK	
# <i>451</i>	DRIVER <i>Jesse C.</i>
BULK TRUCK	
# <i>375</i>	DRIVER <i>Joe C.</i>

REMARKS:

See Cementing Job Log
correct to surface

CHARGE TO: *BACK OIL*
STREET
CITY STATE ZIP *Phillips*

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
SIGNATURE *Paul Perdomo*

CEMENT	AMOUNT ORDERED	<i>450 sk AMD + 1/2 gal</i>
		<i>150sk 60/40 + 27. gal + 101 SALT + 2% CO.</i>
COMMON	<i>90 sk</i>	@ <i>17.9</i> \$ <i>1,611.00</i>
POZMIX	<i>40 sk</i>	@ <i>9.35</i> \$ <i>374.00</i>
GEL	<i>3 sk</i>	@ <i>23.4</i> \$ <i>70.20</i>
CHLORIDE	<i>3 sk</i>	@ <i>11.4</i> \$ <i>192.00</i>
ASC		@
	<i>10 sk SALT @</i>	@ <i>26.35</i> \$ <i>421.60</i>
	<i>AMD Blend 450 sk</i>	@ <i>25.9</i> \$ <i>11,655.00</i>
	<i>Gilsonite @ 45 sk</i>	@
	<i>@ # 2250</i>	@ <i>1.98</i> \$ <i>2,205.00</i>
		@
HANDLING	<i>735.26</i>	@ <i>2.48</i> \$ <i>1,823.43</i>
MILEAGE	<i>1588</i>	<i>1/m</i> <i>2.60</i> \$ <i>4,128.80</i>
		TOTAL \$ <i>22,668.03</i>

SERVICE

DEPTH OF JOB	<i>3480'</i>
PUMP TRUCK CHARGE	\$ <i>2558.75</i>
EXTRA FOOTAGE	@
MILEAGE <i>Leaug 50m</i>	@ <i>7.7</i> \$ <i>385.00</i>
MANIFOLD <i>Light 50m</i>	@ <i>4.4</i> \$ <i>220.00</i>
	@
	@
TOTAL \$ <i>3,163.75</i>	

PLUG & FLOAT EQUIPMENT

<i>1x 5 1/2 Float Shear</i>	@	<i>4400.75</i>
<i>1x 5 1/2 AFU Lead</i>	@	<i>3495.00</i>
<i>10x 5 1/2 Centalines</i>	@	<i>42.75</i> \$ <i>427.50</i>
<i>5x 5 1/2 BASKETS</i>	@	<i>276.25</i> \$ <i>1481.25</i>
	@	
TOTAL		\$ <i>2,812.50</i>

SALES TAX (if Any)	
TOTAL CHARGES	\$ <i>28,644.28</i>
DISCOUNT	\$ <i>7,232.90</i> IF PAID IN 30 DAYS
	<i>net 21,411.38</i>



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

P.O. Box 723
Alma, NE. 68920

ATTN: Bob Peterson

OFB #1

2-1n-19w Phillips, KS

Start Date: 2014.02.01 @ 01:08:00

End Date: 2014.02.01 @ 07:45:30

Job Ticket #: 55164 DST #: 1

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

Printed: 2014.02.04 @ 13:49:26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

2-1n-19w Phillips,KS

P.O. Box 723
Alma, NE. 68920

OFB #1

Job Ticket: 55164

DST#: 1

ATTN: Bob Peterson

Test Start: 2014.02.01 @ 01:08:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:48:15

Time Test Ended: 07:45:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #54

Interval: 3396.00 ft (KB) To 3468.00 ft (KB) (TVD)

Reference Elevations: 2011.00 ft (KB)

Total Depth: 3468.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8879

Inside

Press@RunDepth: 20.87 psig @ 3397.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.01

End Date:

2014.02.01

Last Calib.:

2014.02.01

Start Time: 01:08:05

End Time:

07:45:29

Time On Btm:

2014.02.01 @ 02:48:00

Time Off Btm:

2014.02.01 @ 05:47:00

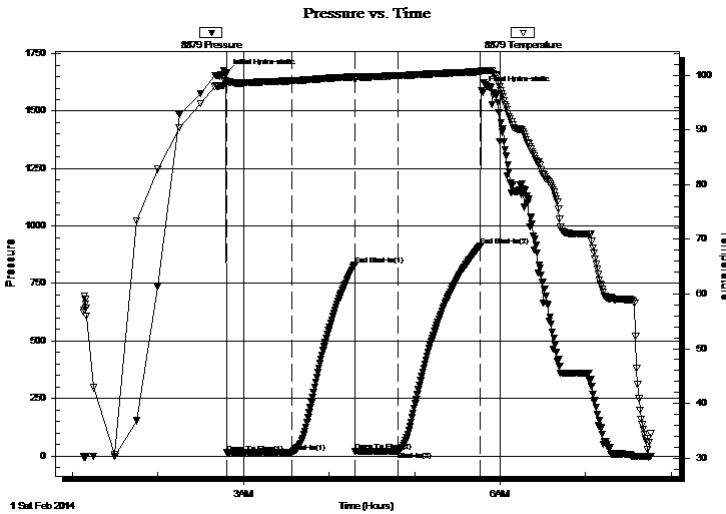
TEST COMMENT: 45 - IF - Surface blow steadily built to 1"

45 - ISI - No Return

30 - FF - No Surface blow

45 - FSI - No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.43	98.91	Initial Hydro-static
1	13.27	98.40	Open To Flow (1)
46	16.85	98.96	Shut-In(1)
90	830.19	99.69	End Shut-In(1)
91	18.59	99.07	Open To Flow (2)
121	20.87	99.92	Shut-In(2)
179	914.55	100.61	End Shut-In(2)
179	1589.65	100.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud - 100M	0.01

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Production

2-1n-19w Phillips,KS

P.O. Box 723
Alma, NE. 68920

OFB #1

Job Ticket: 55164

DST#: 1

ATTN: Bob Peterson

Test Start: 2014.02.01 @ 01:08:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:48:15

Time Test Ended: 07:45:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #54

Interval: 3396.00 ft (KB) To 3468.00 ft (KB) (TVD)

Reference Elevations: 2011.00 ft (KB)

Total Depth: 3468.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6669

Inside

Press@RunDepth: psig @ 3397.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.01

End Date:

2014.02.01

Last Calib.:

2014.02.01

Start Time: 01:08:05

End Time:

07:45:44

Time On Btm:

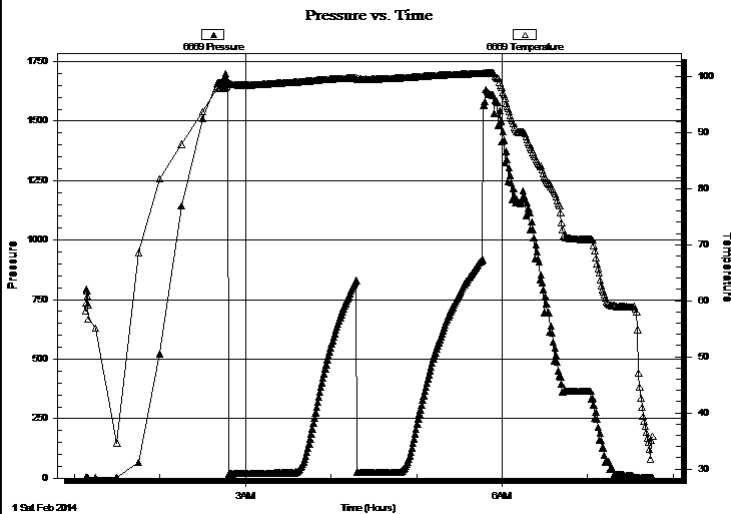
Time Off Btm:

TEST COMMENT: 45 - IF - Surface blow steadily built to 1"

45 - ISI - No Return

30 - FF - No Surface blow

45 - FSI - No Return



PRESSURE SUMMARY

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

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
3.00	Mud - 100M	0.01

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

2-1n-19w Phillips,KS

P.O. Box 723
Alma, NE. 68920

OFB #1

Job Ticket: 55164

DST#: 1

ATTN: Bob Peterson

Test Start: 2014.02.01 @ 01:08:00

Tool Information

Drill Pipe:	Length: 3265.00 ft	Diameter: 3.80 inches	Volume: 45.80 bbl	Tool Weight:	2500.00 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: 115.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose:	48000.00 lb
			<u>Total Volume: 46.37 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3396.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	72.00 ft				
Tool Length:	99.00 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			3374.00	
Hydraulic tool	5.00			3379.00	
Jars	5.00			3384.00	
Safety Joint	3.00			3387.00	
Packer	4.00			3391.00	27.00 Bottom Of Top Packer
Packer	5.00			3396.00	
Stubb	1.00			3397.00	
Recorder	0.00	6669	Inside	3397.00	
Recorder	0.00	8879	Inside	3397.00	
Perforations	35.00			3432.00	
Change Over Sub	1.00			3433.00	
Drill Pipe	31.00			3464.00	
Change Over Sub	1.00			3465.00	
Bullnose	3.00			3468.00	72.00 Bottom Packers & Anchor

Total Tool Length: 99.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

2-1n-19w Phillips,KS

P.O. Box 723
Alma, NE. 68920

OFB #1

Job Ticket: 55164

DST#: 1

ATTN: Bob Peterson

Test Start: 2014.02.01 @ 01:08:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud - 100M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

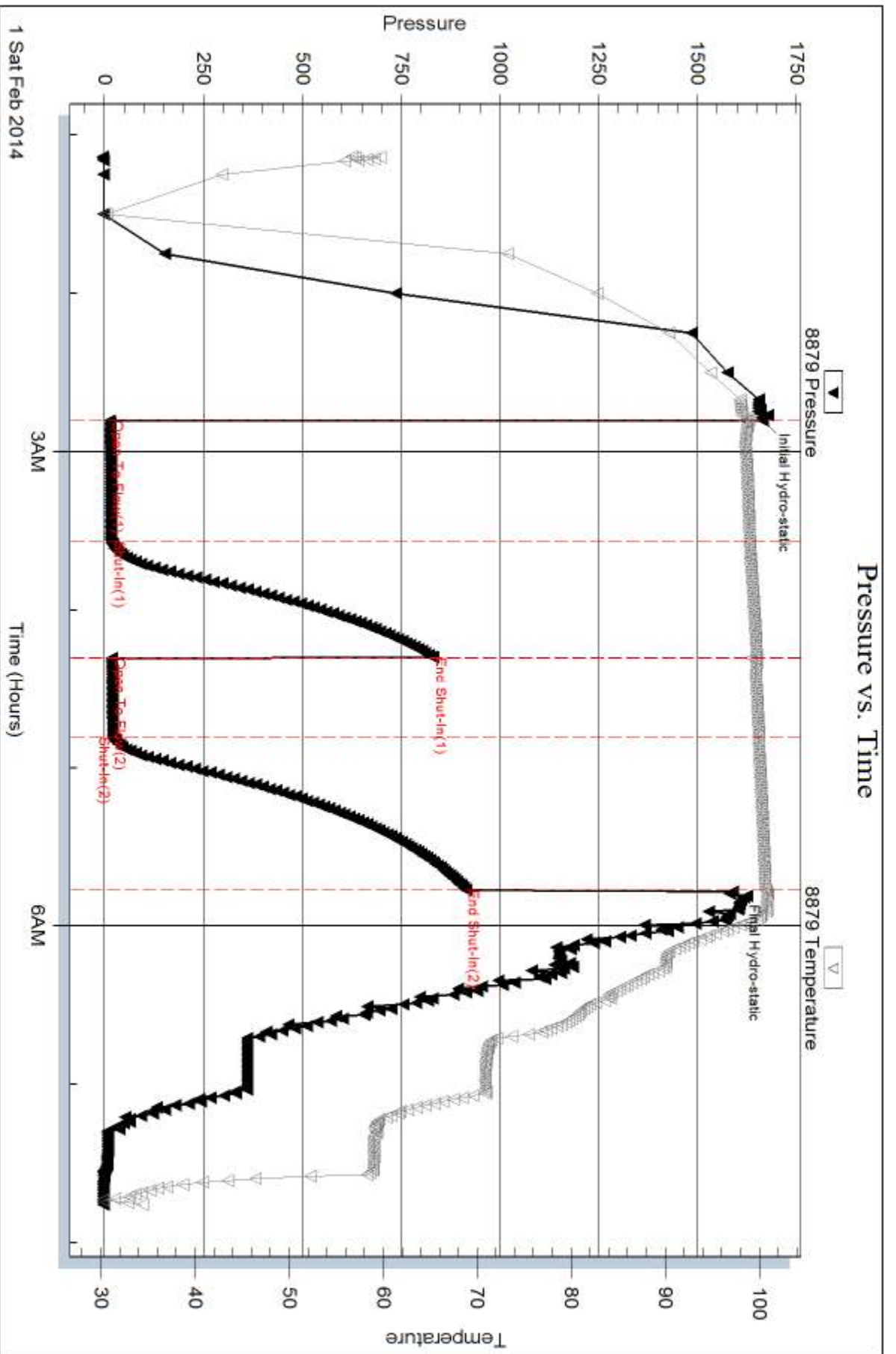
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



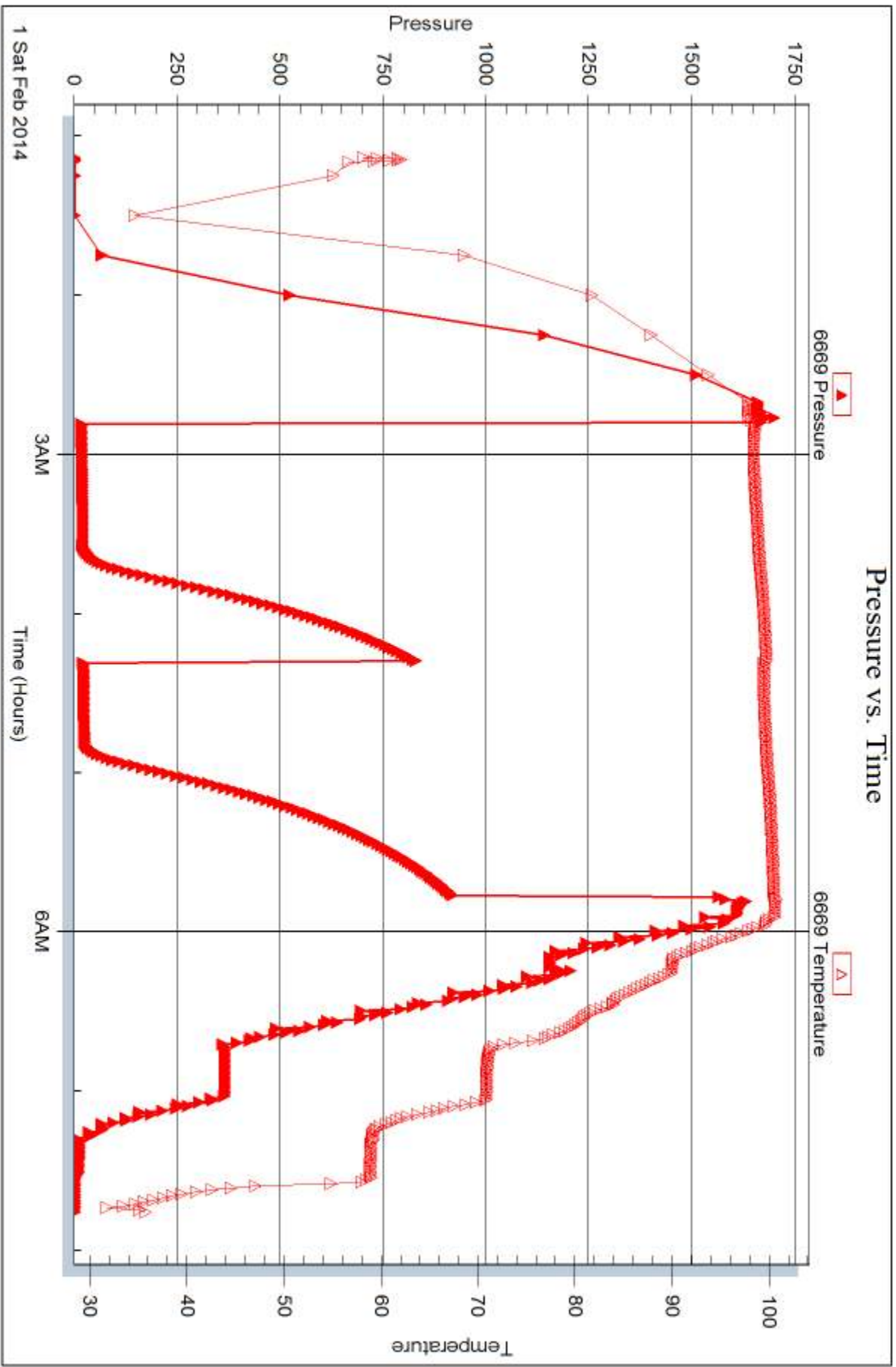
Serial #: 6669

Inside

Bach Oil Production

OFB #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 55164

Printed: 2014.02.04 @ 13:49:28



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

P.O. Box 723
Alma, NE. 68920

ATTN: Bob Peterson

OFB #1

2-1n-19w Phillips, KS

Start Date: 2014.02.01 @ 09:20:00

End Date: 2014.02.01 @ 16:02:45

Job Ticket #: 55165 DST #: 2

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

Printed: 2014.02.04 @ 13:48:34



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

2-1n-19w Phillips,KS

P.O. Box 723
Alma, NE. 68920

OFB #1

Job Ticket: 55165

DST#: 2

ATTN: Bob Peterson

Test Start: 2014.02.01 @ 09:20:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:10:15

Time Test Ended: 16:02:45

Test Type: Conventional Straddle (Initial)

Tester: Royal Fisher

Unit No: #54

Interval: 3214.00 ft (KB) To 3364.00 ft (KB) (TVD)

Reference Elevations: 2011.00 ft (KB)

Total Depth: 3468.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8879 Outside

Press@RunDepth: 91.79 psig @ 3222.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.01 End Date: 2014.02.01

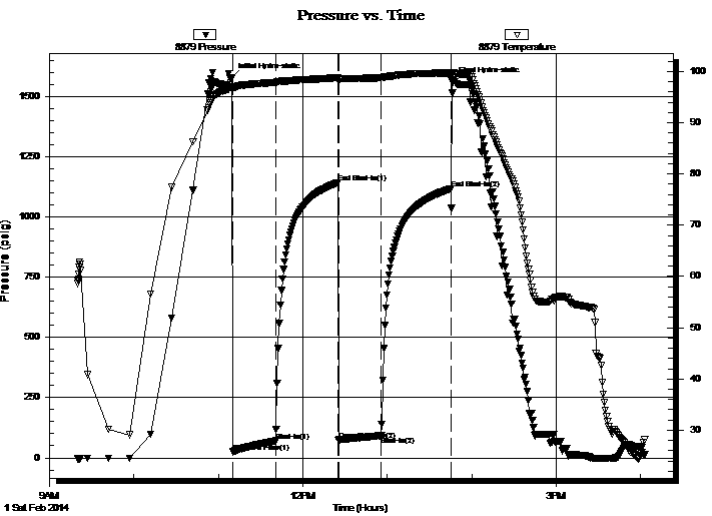
Last Calib.: 2014.02.01

Start Time: 09:20:05 End Time: 16:02:44

Time On Btm: 2014.02.01 @ 11:09:45

Time Off Btm: 2014.02.01 @ 13:45:45

TEST COMMENT: 30 - IF - Surface blow built to 1/2" then died off in 20 min.
45 - ISI - No Return
30 - FF - Had a Weak Surface blow then died off in 15 min.
45 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1576.81	96.99	Initial Hydro-static
1	24.56	96.63	Open To Flow (1)
31	70.35	97.84	Shut-In(1)
76	1142.26	98.83	End Shut-In(1)
76	72.55	98.08	Open To Flow (2)
106	91.79	98.75	Shut-In(2)
156	1116.85	99.69	End Shut-In(2)
156	1564.18	99.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
171.00	OSM - 100m - Oil spots	1.35

Gas Rates

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



**TRILLOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

2-1n-19w Phillips,KS

P.O. Box 723
Alma, NE. 68920

OFB #1

ATTN: Bob Peterson

Job Ticket: 55165

DST#: 2

Test Start: 2014.02.01 @ 09:20:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:10:15

Time Test Ended: 16:02:45

Test Type: Conventional Straddle (Initial)

Tester: Royal Fisher

Unit No: #54

Interval: 3214.00 ft (KB) To 3364.00 ft (KB) (TVD)

Reference Elevations: 2011.00 ft (KB)

Total Depth: 3468.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6669 Inside

Press@RunDepth: psig @ 3222.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.01 End Date: 2014.02.01

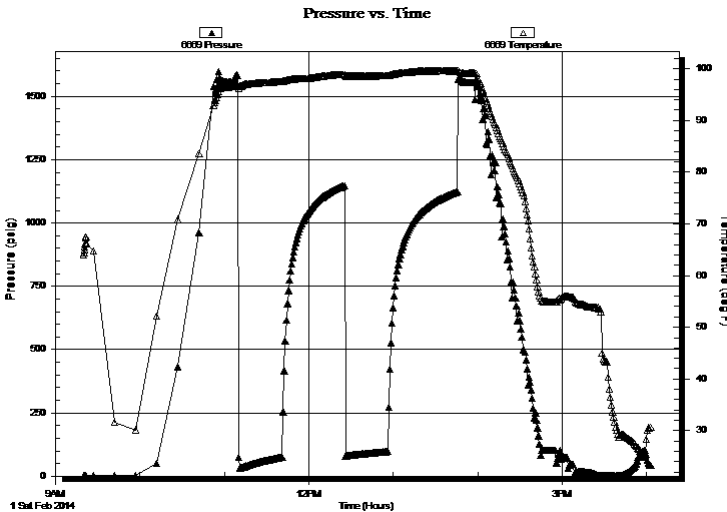
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Start Time: 09:20:05 End Time: 16:02:59

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF - Surface blow built to 1/2" then died off in 20 min.
45 - ISI - No Return
30 - FF - Had a Weak Surface blow then died off in 15 min.
45 - FSI - No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
171.00	OSM - 100m - Oil spots	1.35

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

2-1n-19w Phillips,KS

P.O. Box 723
Alma, NE. 68920

OFB #1

Job Ticket: 55165 **DST#: 2**

ATTN: Bob Peterson

Test Start: 2014.02.01 @ 09:20:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:10:15
Time Test Ended: 16:02:45

Test Type: Conventional Straddle (Initial)
Tester: Royal Fisher
Unit No: #54

Interval: 3214.00 ft (KB) To 3364.00 ft (KB) (TVD)
Total Depth: 3468.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

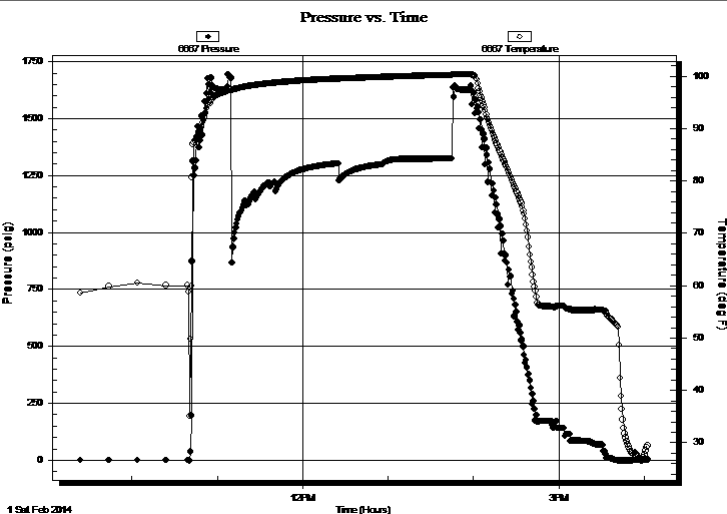
Reference Elevations: 2011.00 ft (KB)
2006.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6667 Below (Straddle)

Press@RunDepth: psig @ 3377.00 ft (KB)
Start Date: 2014.02.01 End Date: 2014.02.01
Start Time: 09:23:50 End Time: 16:02:50

Capacity: 8000.00 psig
Last Calib.: 2014.02.01
Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF - Surface blow built to 1/2" then died off in 20 min.
45 - ISI - No Return
30 - FF - Had a Weak Surface blow then died off in 15 min.
45 - FSI - No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
171.00	OSM - 100m - Oil spots	1.35

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

2-1n-19w Phillips,KS

P.O. Box 723
Alma, NE. 68920

OFB #1

Job Ticket: 55165

DST#: 2

ATTN: Bob Peterson

Test Start: 2014.02.01 @ 09:20:00

Tool Information

Drill Pipe:	Length: 3085.00 ft	Diameter: 3.80 inches	Volume: 43.27 bbl	Tool Weight: 2500.00 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: 115.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 43.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3214.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	3475.00 ft			
Interval between Packers:	261.00 ft			
Tool Length:	287.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3193.00	
Hydraulic tool	5.00			3198.00	
Jars	5.00			3203.00	
Safety Joint	2.00			3205.00	
Packer	4.00			3209.00	26.00 Bottom Of Top Packer
Packer	5.00			3214.00	
Stubb	1.00			3215.00	
Perforations	6.00			3221.00	
Change Over Sub	1.00			3222.00	
Recorder	0.00	6669	Inside	3222.00	
Recorder	0.00	8879	Outside	3222.00	
Drill Pipe	126.00			3348.00	
Change Over Sub	1.00			3349.00	
Perforations	10.00			3359.00	
Blank Spacing	1.00			3360.00	
Packer - Shale	5.00			3365.00	
Stubb	1.00			3366.00	
Perforations	10.00			3376.00	
Change Over Sub	1.00			3377.00	
Recorder	0.00	6667	Below	3377.00	
Drill Pipe	94.00			3471.00	
Change Over Sub	1.00			3472.00	
Bullnose	3.00			3475.00	261.00 Bottom Packers & Anchor
Total Tool Length:	287.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

2-1n-19w Phillips,KS

P.O. Box 723
Alma, NE. 68920

OFB #1

Job Ticket: 55165

DST#: 2

ATTN: Bob Peterson

Test Start: 2014.02.01 @ 09:20:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
171.00	OSM - 100m - Oil spots	1.351

Total Length: 171.00 ft Total Volume: 1.351 bbl

Num Fluid Samples: 0

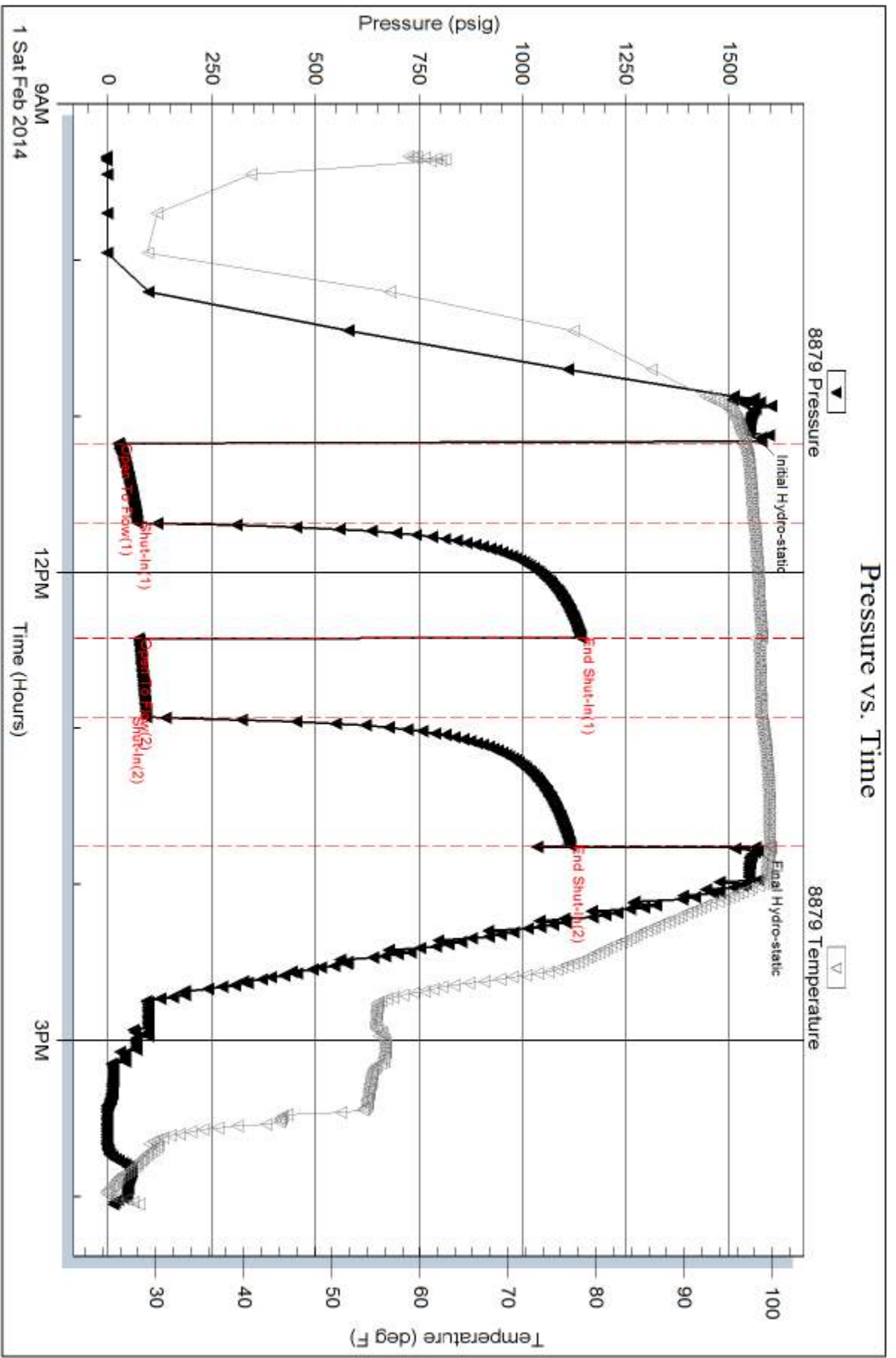
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



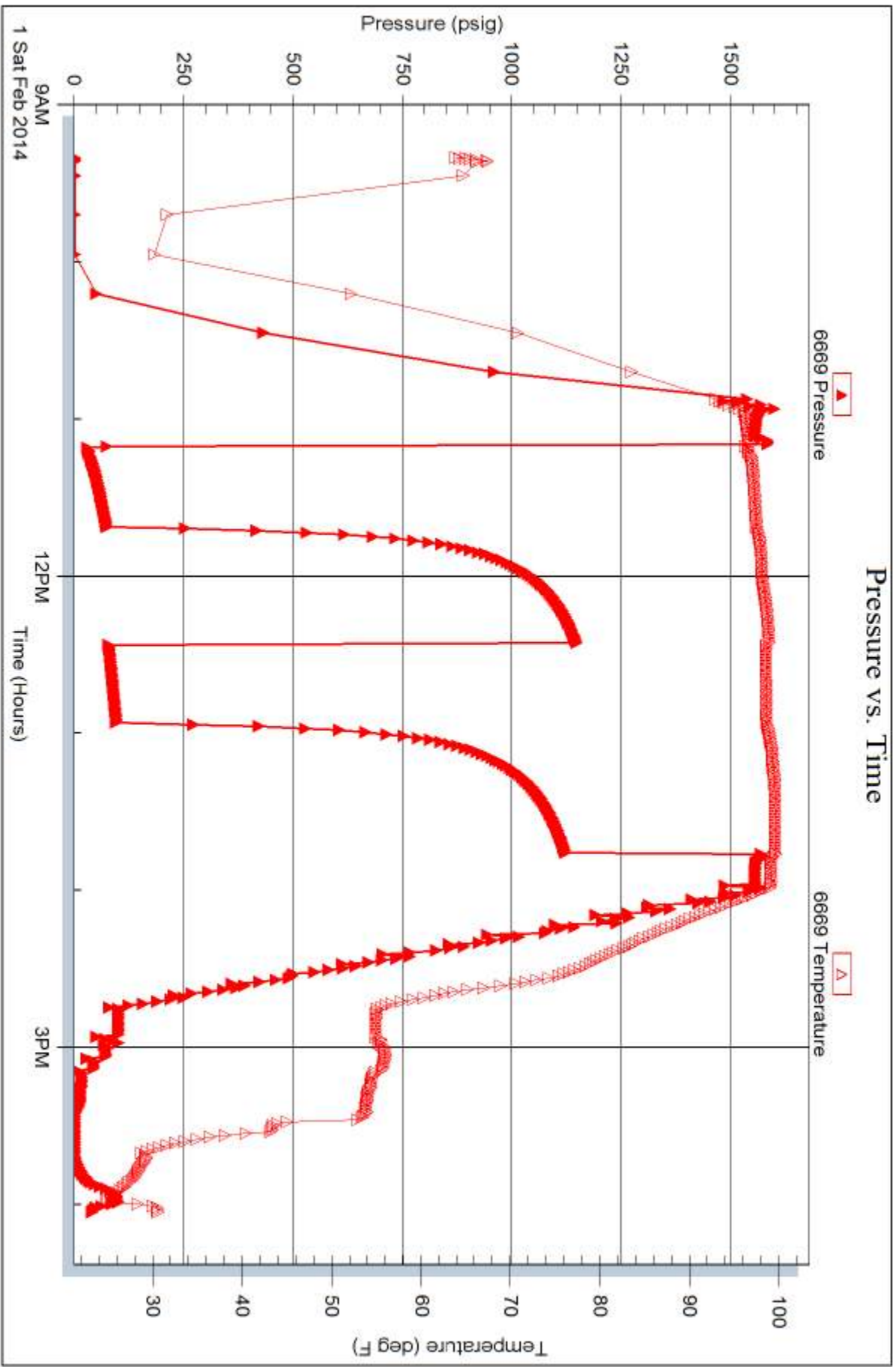
Serial #: 6669

Inside

Bach Oil Production

OFB #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 55165

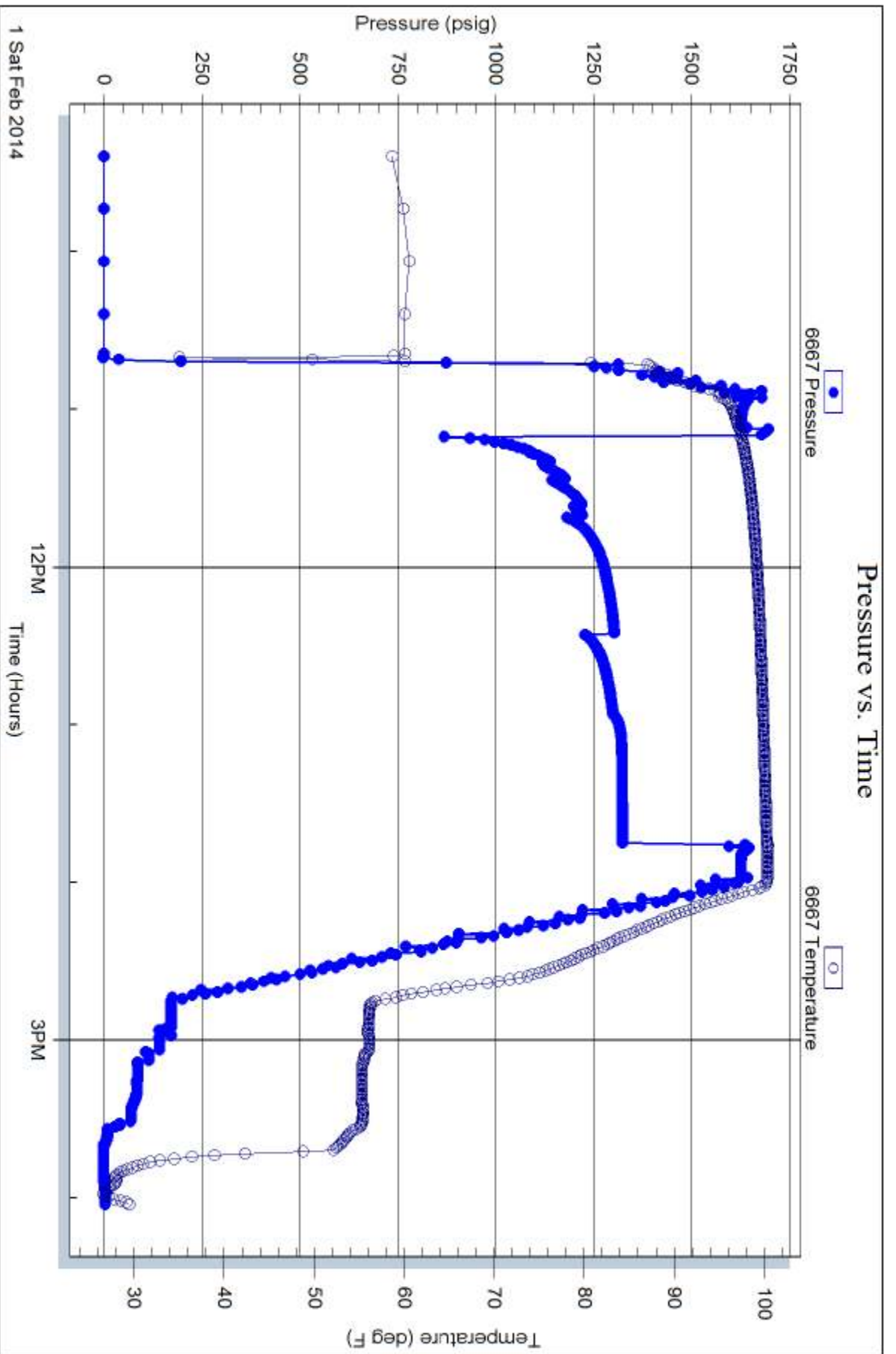
Printed: 2014.02.04 @ 13:48:37

Serial #: 6667

Below (Stratfield) Oil Production

OFB #1

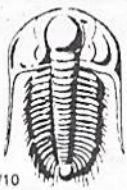
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 55165

Printed: 2014.02.04 @ 13:48:37



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55164**

Well Name & No. OFB #1 Test No. 1 Date 2-1-14
 Company Bach Oil Production Elevation 2011 KB 2006 GL
 Address P.O. Box 723 Alma Ne. 68920
 Co. Rep / Geo. Bob Peterson Rig Murfin #24
 Location: Sec. 2 Twp. 1 Rge. 19W Co. Phillips State KS

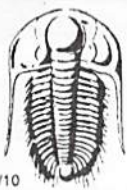
Interval Tested 3396 to 3468 Zone Tested _____
 Anchor Length 72' Drill Pipe Run 3265 Mud Wt. 8.8
 Top Packer Depth 3392 Drill Collars Run 115' Vis 60
 Bottom Packer Depth 3396 Wt. Pipe Run 0 WL 4.8
 Total Depth 3468 Chlorides 200 ppm System LCM TR
 Blow Description IF - Surface blow steadily built to 1"
ISI - No return
FF - No surface blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>3'</u>	<u>mud</u>			<u>100</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 3' BHT 100°F Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1665</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>12:10 am</u>
(B) First Initial Flow <u>13</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:08 am</u>
(C) First Final Flow <u>16</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2:48 am</u>
(D) Initial Shut-In <u>830</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>5:45 am</u>
(E) Second Initial Flow <u>18</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>7:46 am</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>125 R/T</u> 193.75	Comments <u>waited on</u>
(G) Final Shut-In <u>914</u>	<input type="checkbox"/> Sampler _____	<u>Driller to finish paperwork</u>
(H) Final Hydrostatic <u>1589</u>	<input type="checkbox"/> Straddle _____	<u>before he would unset tool</u>
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1668.75</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1668.75</u>	

Approved By _____ Our Representative [Signature]
 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. **55165**

Well Name & No. OFB #1 Test No. 2 Date 2-1-14
 Company Bach Oil Production Elevation 2011 KB 2006 GL
 Address P.O. Box 723 Alma Ne, 68920
 Co. Rep / Geo. Bob Peterson Rig Murfin #24
 Location: Sec. 2 Twp. 1 Rge. 19W Co. Phillips State KS

Interval Tested 3214 - 3364 Zone Tested _____
 Anchor Length 150' Drill Pipe Run 3085 Mud Wt. 8.8
 Top Packer Depth 3214 Drill Collars Run 115' Vis 60
 Bottom Packer Depth 3364 Wt. Pipe Run 0 WL 4.8
 Total Depth 3468 Chlorides 200 ppm System LCM TR
 Blow Description IF - Surface blow built to 1/2" then died off in 20 min.
ISI - No Return
FF - Had A weak surface blow then died off in 15 min.
FSE - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>171'</u>	<u>0.5m</u>	<u>spots</u>		<u>100</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 171' BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1576 Test 1150 T-On Location 12:10am
 (B) First Initial Flow 24 Jars 250 T-Started 9:20am
 (C) First Final Flow 70 Safety Joint 75 T-Open 11:10am
 (D) Initial Shut-In 1142 Circ Sub D/C T-Pulled 11:45pm
 (E) Second Initial Flow 72 Hourly Standby _____ T-Out 4:03pm
 (F) Second Final Flow 91 Mileage 125 R/T 193.75 Comments _____
 (G) Final Shut-In 1116 Sampler _____
 (H) Final Hydrostatic 1564 Straddle 600 Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 2518.75
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 2518.75

Approved By _____

Our Representative [Signature]

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.

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: OFB #1

LOC.: 1045' FSL & 400' FEL
 SEC. 2-1-19W
 PHILLIPS COUNTY, KANSAS
 API: 15-147-20732-00-00

DRILLING CONTR.: MURFIN RIG #24
 SPUD: 1-28-14 COMP: 02-01-14
 MUD UP: 2800' TYPE MUD: CHEM.
 DRILL TIME: 2900 to' RTD
 RTD: 3478' LTD: 3468'
 SAMPLES SAVED: 2900'-RTD
 GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2011
 GL: 2006
 LOG MEASURED
 FROM: KB

SURFACE CASING

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

PRODUCTION CASING

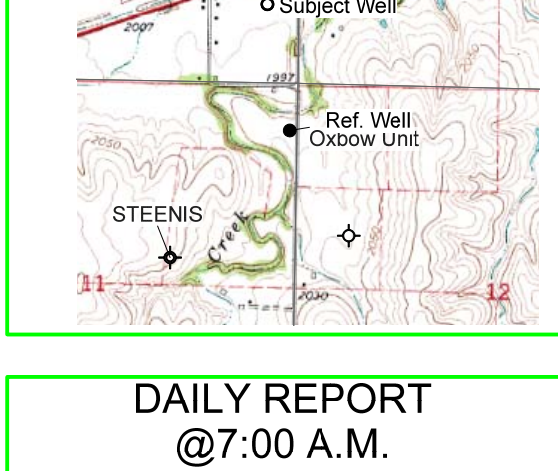
5 1/2" Casing set

WELL LOG SURVEYS

DIL/CDL/MICRO

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	1670	+341	-25
Base Stone Corral	1674	+337	-6
Topeka	3014	-1003	-9
Heebner	3215	-1204	-7
Toronto	3245	-1234	-9
Lansing	3261	-1250	-7
Muncie Creek	3374	-1363	-9
Stark	3438	-1427	-9
LTD	3478	-1467	24



REFERENCE WELL:

Ref. Well A
 Bach
 Oxbow Unit #1
 2000' FNL & 100' FEL
 11-1-19W

REMARKS AND RECOMMENDATIONS

Production casing was set to further test this well.

Respectfully submitted,
Robert J. Petersen
 Robert J. Petersen

DAILY REPORT

@7:00 A.M.

1-28-14 MIRU/SPUD
 1-29-14 350'
 1-30-14 2270'
 1-31-14 3250'
 2-1-14 3478' (logging)

