



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1140730
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: _____



1140730

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> _____
---	--

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	LJ Ranch 2
Doc ID	1140730

Tops

Name	Top	Datum
Stone Corral	1730	+381
Base Stone Corral	1756	+355
Topeka	3104	-993
Heebner	3295	-1184
Toronto	3321	-1210
LKC	3340	-1229
Muncie	3448	-1337
Stark	3508	-1397
BKC	3539	-1428

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: LJ RANCH #2

LOC.: 2100' FNL & 1350' FEL

SEC. 3-4-20W

PHILLIPS COUNTY, KANSAS

API: 15-147-20707-00-00

DRILLING CONTR.: MURFIN RIG #8

SPUD: 02-27-13 COMP:03-05-13

MUD UP: 2850' TYPE MUD: CHEM.

DRILL TIME: 2950-RTD

RTD: 3565' LTD: 3563'

SAMPLES SAVED: 3000'-RTD

GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2111'

GL: 2106'

LOG MEASURED FROM: KB

SURFACE CASING

8 5/8" surface csg.
Set @208' KB.
Cem. w/175 sx Common,
3% CC, 2% Gel.

PRODUCTION CASING

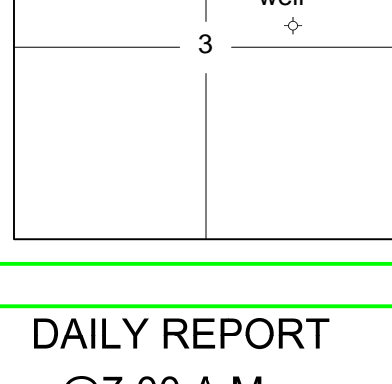
D&A

WELL LOG SURVEYS

RAG

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
SC	1730	+381	-5
BSC	1756	+355	-3
TOPEKA	3104	-993	-5
HEEBNER	3295	-1184	-6
TORONTO	3321	-1210	-4
LKC	3340	-1229	-6
Muncie	3448	-1337	-6
Stark	3508	-1397	-2
BKC	3539	-1428	-6



REFERENCE WELL:

Bach Production
LJ Ranch #1
1600' FNL & 380' FEL
3-4-20W
2121KB

DAILY REPORT

@7:00 A.M.

2-27-13 MIRU, SPUD
02-28-13 208' Drilling cement
03-01-13 2080' Drilling
03-02-13 3025' Drilling
03-03-13 3243' DST #1
03-04-13 3510 DST #3
03-05-13 3565' RTD P&A

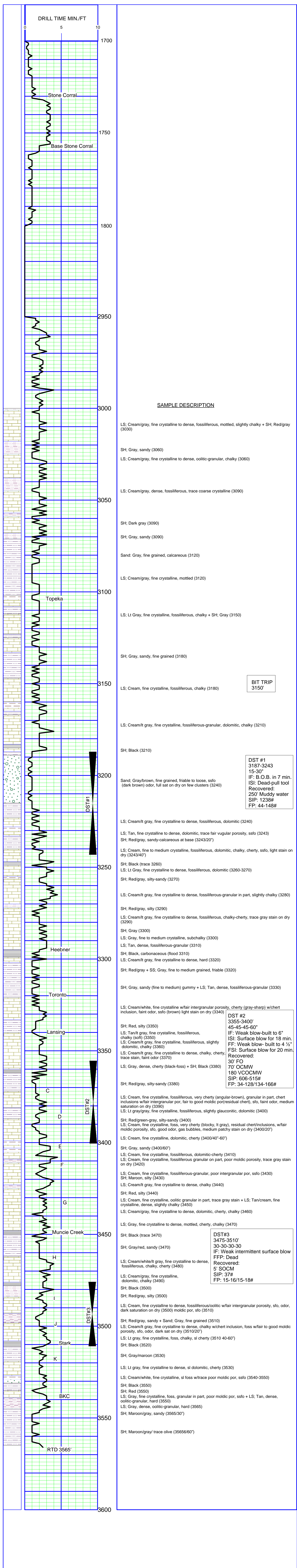
REMARKS AND RECOMMENDATIONS

This test was plugged and abandoned by the operator

Respectfully submitted,

Robert J. Petersen

Robert J. Petersen



SAMPLE DESCRIPTION

LS: Cream/gray, fine crystalline to dense, fossiliferous, mottled, slightly chalky + SH; Red/gray (3030)

SH: Gray, sandy (3060)

LS: Cream/gray, fine crystalline to dense, oolitic-granular, chalky (3060)

LS: Cream/gray, dense, fossiliferous, trace coarse crystalline (3090)

SH: Dark gray (3090)

SH: Gray, sandy (3090)

Sand: Gray, fine grained, calcareous (3120)

LS: Cream/gray, fine crystalline, mottled (3120)

Topeka

LS: Lt Gray, fine crystalline, fossiliferous, chalky + SH; Gray (3150)

SH: Gray, sandy, fine grained (3180)

LS: Cream, fine crystalline, fossiliferous, chalky (3180)

BIT TRIP
3150'

LS: Cream/lt gray, fine crystalline, fossiliferous-granular, dolomitic, chalky (3210)

SH: Black (3210)

DST #1
3187-3243
15-30"
IF: B.O.B. in 7 min.
ISI: Dead-pull tool
Recovered:
250' Muddy water
SIP: 1238#
FP: 44-148#

LS: Cream/lt gray, fine crystalline to dense, fossiliferous, dolomitic (3240)

LS: Tan, fine crystalline to dense, dolomitic, trace fair vugular porosity, ssfo (3243)

SH: Red/gray, sandy-calcareous at base (3243/20")

LS: Cream, fine to medium crystalline, fossiliferous, dolomitic, chalky, cherty, ssfo, light stain on dry (3243/40")

SH: Black (trace 3260)

LS: Lt Gray, fine crystalline to dense, fossiliferous, dolomitic (3260-3270)

SH: Red/gray, silty-sandy (3270)

LS: Cream/lt gray, fine crystalline to dense, fossiliferous-granular in part, slightly chalky (3280)

SH: Red/gray, silty (3290)

LS: Cream/lt gray, fine crystalline to dense, fossiliferous, chalky-cherty, trace gray stain on dry (3290)

SH: Gray (3300)

LS: Gray, fine to medium crystalline, subchalky (3300)

LS: Tan, dense, fossiliferous-granular (3310)

SH: Black, carbonaceous (flood 3310)

LS: Cream/lt gray, fine crystalline to dense, hard (3320)

SH: Red/gray + SS; Gray, fine to medium grained, friable (3320)

SH: Gray, sandy (fine to medium) gummy + LS; Tan, dense, fossiliferous-granular (3330)

LS: Cream/white, fine crystalline w/fair intergranular porosity, cherty (gray-sharp) w/chert inclusion, faint odor, ssfo (brown) light stain on dry (3340)

SH: Red, silty (3350)

LS: Tan/lt gray, fine crystalline, fossiliferous, chalky (soft) (3350)

LS: Cream/lt gray, fine crystalline, fossiliferous, slightly dolomitic, chalky (3360)

LS: Cream/lt gray, fine crystalline to dense, chalky, cherty, trace stain, faint odor (3370)

LS: Gray, dense, cherty (black-foss) + SH; Black (3380)

SH: Red/gray, silty-sandy (3380)

LS: Cream, fine crystalline, fossiliferous, very cherty (angular-brown), granular in part, chert inclusions w/fair intergranular por, fair to good moldic por(residual chert), sfo, faint odor, medium saturation on dry (3380)

LS: Lt gray/gray, fine crystalline, fossiliferous, slightly glauconitic, dolomitic (3400)

SH: Red/green-gray, silty-sandy (3400)

LS: Cream, fine crystalline, foss, very cherty (blocky, lt gray), residual chert/inclusions, w/fair moldic porosity, sfo, good odor, gas bubbles, medium patchy stain on dry (3400/20")

LS: Cream, fine crystalline, dolomitic, cherty (3400/40"-60")

SH: Gray, sandy (3400/60")

LS: Cream, fine crystalline, fossiliferous, dolomitic-cherty (3410)

LS: Cream, fine crystalline, fossiliferous granular on part, poor moldic porosity, trace gray stain on dry (3420)

LS: Cream, fine crystalline, fossiliferous-granular, poor intergranular por, ssfo (3430)

SH: Maroon, silty (3430)

LS: Cream/lt gray, fine crystalline to dense, chalky (3440)

SH: Red, silty (3440)

LS: Cream, fine crystalline, oolitic granular in part, trace gray stain + LS; Tan/cream, fine crystalline, dense, slightly chalky (3450)

LS: Cream/gray, fine crystalline to dense, dolomitic, cherty, chalky (3460)

LS: Gray, fine crystalline to dense, mottled, cherty, chalky (3470)

SH: Black (trace 3470)

SH: Gray/red, sandy (3470)

LS: Cream/white/lt gray, fine crystalline to dense, fossiliferous, chalky, cherty (3480)

LS: Cream/gray, fine crystalline, dolomitic, chalky (3490)

SH: Black (3500)

SH: Red/gray, silty (3500)

LS: Cream, fine crystalline to dense, fossiliferous/oolitic w/fair intergranular porosity, sfo, odor, dark saturation on dry (3500) moldic por, sfo (3510)

SH: Red/gray, sandy + Sand; Gray, fine grained (3510)

LS: Cream/lt gray, fine crystalline to dense, chalky w/chert inclusion, foss w/fair to good moldic porosity, sfo, odor, dark sat on dry (3510/20")

LS: Lt gray, fine crystalline, foss, chalky, sl cherty (3510 40-60")

SH: Black (3520)

SH: Gray/maroon (3530)

LS: Lt gray, fine crystalline to dense, sl dolomitic, cherty (3530)

LS: Cream/white, fine crystalline, sl foss w/trace poor moldic por, ssfo (3540-3550)

SH: Black (3550)

SH: Red (3550)

LS: Gray, fine crystalline, foss, granular in part, poor moldic por, ssfo + LS; Tan, dense, oolitic-granular, hard (3550)

LS: Gray, dense, oolitic-granular, hard (3565)

SH: Maroon/gray, sandy (3565/30")

SH: Maroon/gray/ trace olive (3565/60")

RTD 3565'

DST #2
3355-3400'
45-45-60"
IF: Weak blow-built to 6"
ISI: Surface blow for 18 min.
FF: Weak blow- built to 4 1/2"
FSI: Surface blow for 20 min.
Recovered:
30' FO
70' OCMW
180' VCOCMW
SIP: 606-515#
FP: 34-128/134-166#

DST #3
3475-3510'
30-30-30-30"
IF: Weak intermittent surface blow
FFP: Dead
Recovered:
5' SOCM
SIP: 37#
FP: 15-16/15-18#

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 135031
Invoice Date: Feb 27, 2013
Page: 1

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

Now Includes:



Bill To:
Bach Oil Production R. R. #1 Box 28 Phillipsburg, KS 67661

Customer ID	Field Ticket #	Payment Terms	
Bach	56489	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Feb 27, 2013	3/29/13

Quantity	Item	Description	Unit Price	Amount
		L J Ranch #2		
175.00	MAT	Class A Common	17.90	3,132.50
6.00	MAT	Chloride	64.00	384.00
183.51	SER	Cubic Feet	2.48	455.10
626.41	SER	Ton Mileage	2.60	1,628.67
1.00	SER	Surface	1,512.25	1,512.25
74.00	SER	Pump Truck Mileage	7.70	569.80
74.00	SER	Light Vehicle Mileage	4.40	325.60
1.00	CEMENTER	Glenn Ginther		
1.00	EQUIP OPER	Woody O'Neil		
1.00	OPER ASSIST	Nathan Donner		
1.00	OPER ASSIST	Danny Sinner		

Subtotal	8,007.92
Sales Tax	239.12
Total Invoice Amount	8,247.04
Payment/Credit Applied	
TOTAL	8,247.04

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

\$ 2,138.11

ONLY IF PAID ON OR BEFORE
Mar 24, 2013

ALLIED OIL & GAS SERVICES, LLC 056489

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell KS
MIDNIGHT
11:30 PM
12:45 PM
PHILLIPS KANSAS

DATE <u>2-27-13</u>	SEC. <u>3</u>	TWP. <u>4</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>W. Russell</u>	WELL # <u>2</u>	LOCATION <u>Logan KS, 5N 1/2 E</u>					
OLD OR NEW (Circle one)							

CONTRACTOR <u>MURFIA DAIG, Rig #8</u>	OWNER
TYPE OF JOB <u>Cement SURFACE</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>208</u>
CASING SIZE <u>8 5/8 New</u>	DEPTH <u>208'</u>
TUBING SIZE <u>2 1/2 #</u>	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>150#</u>	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>12.30 / BBL</u>	
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Wendell</u>	
# <u>417</u> HELPER <u>Woody O.</u>	
BULK TRUCK	
# <u>410</u> DRIVER <u>Mathen D.</u>	
BULK TRUCK	
# DRIVER <u>Danny S.</u>	
HANDLING <u>183.51 FT³</u>	@ <u>2.48</u> <u>455.10</u>
MILEAGE <u>626.41 mi</u>	@ <u>2.60</u> <u>1628.67</u>
TOTAL	<u>566.77</u>

REMARKS:

Ran 5 New JTS of 2 1/2" 8 5/8 casing
Set @ 208, Review circulation
& cement w/ 175 sx cement
3% cc, Displace 12.30 BBL
No^o Betting cement & shot
ix @ 250#

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE	@
MILEAGE <u>74 HV ME</u>	@ <u>7.70</u> <u>569.80</u>
MANIFOLD	@
<u>74 LV ME</u>	@ <u>4.40</u> <u>325.60</u>
TOTAL	<u>2407.65</u>

CHARGE TO: Jason Bach / Bach Oil Production
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 Rodney Fair
SIGNATURE Rodney Fair

SALES TAX (If Any) 239.12
TOTAL CHARGES 8007.92
DISCOUNT 2138.10 IF PAID IN 30 DAYS
4/24 BS 2-28-
5869.81



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 135097
Invoice Date: Mar 5, 2013
Page: 1

Jimmy shop

325-13 Pa 46,052 2L

Bill To:
Bach Oil Production R. R. #1 Box 28 Phillipsburg, KS 67661

Customer ID	Field Ticket #	Payment Terms	
Bach	56873	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Russell	Mar 5, 2013	4/4/13

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	L J Ranch #2		
		Class A Common	17.90	2,362.80
88.00	MAT	Pozmix	9.35	822.80
8.00	MAT	Gel	23.40	187.20
55.00	MAT	Flo Seal	2.97	163.35
237.00	SER	Cubic Feet	2.48	587.76
731.68	SER	Ton Mileage	2.60	1,902.36
1.00	SER	Plug to Abandon	2,600.47	2,600.47
74.00	SER	Pump Truck Mileage	7.70	569.80
74.00	SER	Light Vehicle Mileage	4.40	325.60
1.00	EQP	8.5/8 Wooden Plug	107.64	107.64
1.00	CEMENTER	Robert Yakubovich		
1.00	EQUIP OPER	Woody O'Neil		
1.00	OPER ASSIST	Joe Goodson		
				<i>5755 1778</i>

Subtotal	9,629.78
Sales Tax	654.83
Total Invoice Amount	10,284.61
Payment/Credit Applied	
TOTAL	10,284.61

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

\$ 2647⁰⁰

ONLY IF PAID ON OR BEFORE

Mar 30, 2013

ALLIED OIL & GAS SERVICES, LLC 056873

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell KS

DATE <u>3-5-13</u>	SEC <u>3</u>	TWP <u>4</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30 AM</u>	JOB FINISH <u>9:00 AM</u>
LEASE <u>LJ Ranch</u>	WELL # <u>2</u>	LOCATION <u>Logan KS SW E into</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Murfin 8

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 3565

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 16.6 DEPTH 1750

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK CEMENTER Robert V

417 HELPER Woody O

BULK TRUCK _____

410 DRIVER Joe G

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

25 sk @ 1750

100 sk @ 1030

40 sk @ 260

10 sk @ 40

30 sk in Rath hole

15 sk in Mouse hole

OWNER _____

CEMENT AMOUNT ORDERED 220 60/40 49 gal 1/4 #10

COMMON	<u>132</u>	@	<u>17.90</u>	<u>2362.80</u>
POZMIX	<u>88</u>	@	<u>9.35</u>	<u>822.80</u>
GEL	<u>8</u>	@	<u>23.40</u>	<u>187.20</u>
CHLORIDE		@		
ASC	<u>21</u>	@		
<u>Flow seal 155</u>	<u>2.20</u>	@	<u>2.97</u>	<u>163.35</u>
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>237 ft³</u>	@	<u>2.48</u>	<u>587.76</u>
MILEAGE	<u>731.68</u> t/m	@	<u>2.60</u>	<u>1902.36</u>
				TOTAL <u>6026.27</u>

SERVICE

DEPTH OF JOB	<u>1750</u>		
PUMP TRUCK CHARGE	<u>2600.47</u>		
EXTRA FOOTAGE		@	
MILEAGE <u>74</u> HVM.I		@	<u>7.70 569.80</u>
MANIFOLD		@	
<u>74</u> LVM.I		@	<u>4.40 325.60</u>
TOTAL <u>3495.87</u>			

CHARGE TO: Bach Oil

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>8 5/8</u> Wooden plug	@	<u>107.64</u>	<u>107.64</u>
	@		
	@		
	@		
TOTAL <u>107.64</u>			

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 9629.78

DISCOUNT 3447.46 IF PAID IN 30 DAYS BS 3-7

6182.32

PRINTED NAME Rodney Star

SIGNATURE Rodney Star



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

#2 LJ Ranch

3-4s-20w Phillips,KS

Start Date: 2013.03.02 @ 23:05:41

End Date: 2013.03.03 @ 03:38:26

Job Ticket #: 50540 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.14 @ 11:41:52



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

3-4s-20w Phillips,KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50540

DST#: 1

ATTN: Bob Peterson

Test Start: 2013.03.02 @ 23:05:41

GENERAL INFORMATION:

Formation: **Compton Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:48:41

Time Test Ended: 03:38:26

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 3187.00 ft (KB) To 3243.00 ft (KB) (TVD)

Reference Elevations: 2111.00 ft (KB)

Total Depth: 3243.00 ft (KB) (TVD)

2106.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8789

Inside

Press @ Run Depth: 148.25 psig @ 3225.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.02

End Date:

2013.03.03

Last Calib.: 2013.03.03

Start Time: 23:05:43

End Time:

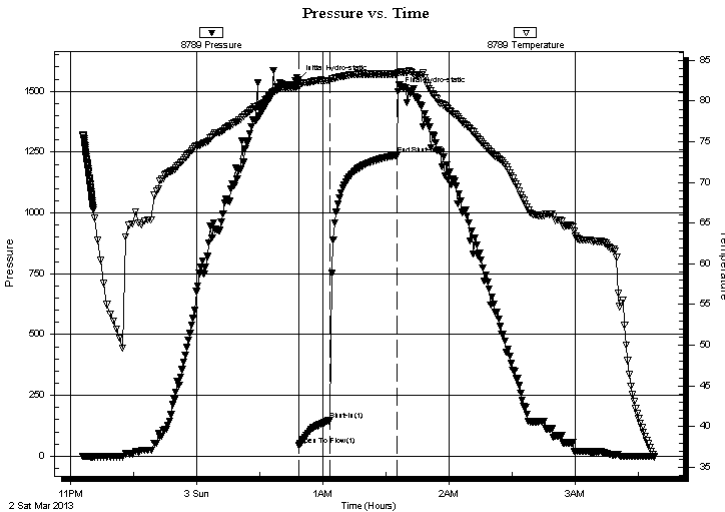
03:38:26

Time On Btm: 2013.03.03 @ 00:48:26

Time Off Btm: 2013.03.03 @ 01:35:41

TEST COMMENT: IFP-Good Blow , BOB in 7 Min.
ISI-Dead, Pull Tool

PRESSURE SUMMARY



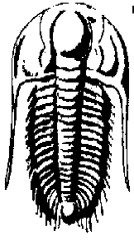
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1547.58	82.16	Initial Hydro-static
1	43.98	81.74	Open To Flow (1)
15	148.25	82.55	Shut-In(1)
47	1237.67	83.33	End Shut-In(1)
48	1498.15	83.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	Muddy Water-60%W-40%M	1.81

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

3-4s-20w Phillips,KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50540

DST#: 1

ATTN: Bob Peterson

Test Start: 2013.03.02 @ 23:05:41

GENERAL INFORMATION:

Formation: **Compton Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:48:41

Time Test Ended: 03:38:26

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 3187.00 ft (KB) To 3243.00 ft (KB) (TVD)

Reference Elevations: 2111.00 ft (KB)

Total Depth: 3243.00 ft (KB) (TVD)

2106.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8289 Outside

Press @ Run Depth: psig @ 3225.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.02

End Date:

2013.03.03

Last Calib.:

2013.03.03

Start Time: 23:05:13

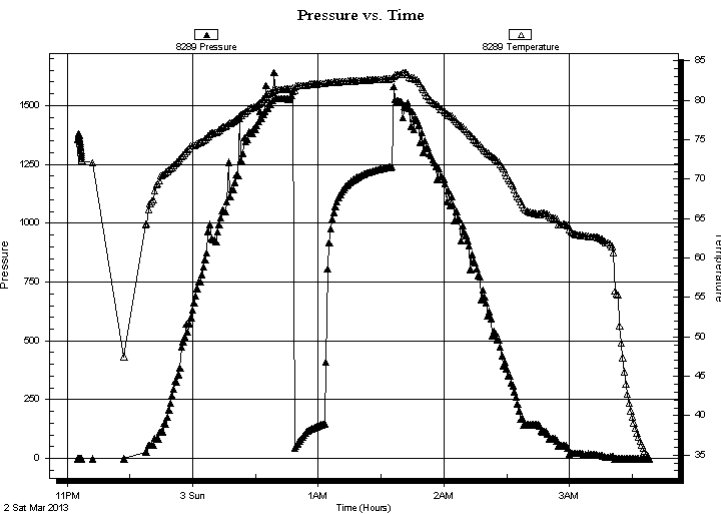
End Time:

03:38:41

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Good Blow , BOB in 7 Min.
ISI-Dead, Pull Tool



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
250.00	Muddy Water-60%W-40%M	1.81

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

3-4s-20w Phillips,KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50540

DST#: 1

ATTN: Bob Peterson

Test Start: 2013.03.02 @ 23:05:41

Tool Information

Drill Pipe:	Length: 2995.00 ft	Diameter: 3.80 inches	Volume: 42.01 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 42.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3187.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	84.00 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			3160.00	
Shut In Tool	5.00			3165.00	
Hydraulic tool	5.00			3170.00	
Jars	5.00			3175.00	
Safety Joint	2.00			3177.00	
Packer	5.00			3182.00	28.00 Bottom Of Top Packer
Packer	5.00			3187.00	
Stubb	1.00			3188.00	
Perforations	3.00			3191.00	
Change Over Sub	1.00			3192.00	
Blank Spacing	32.00			3224.00	
Change Over Sub	1.00			3225.00	
Recorder	0.00	8789	Inside	3225.00	
Recorder	0.00	8289	Outside	3225.00	
Perforations	15.00			3240.00	
Bullnose	3.00			3243.00	56.00 Bottom Packers & Anchor
Total Tool Length:	84.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

3-4s-20w Phillips,KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50540

DST#: 1

ATTN: Bob Peterson

Test Start: 2013.03.02 @ 23:05:41

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:

70000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 350.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	Muddy Water-60%W-40%M	1.812

Total Length: 250.00 ft Total Volume: 1.812 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8789

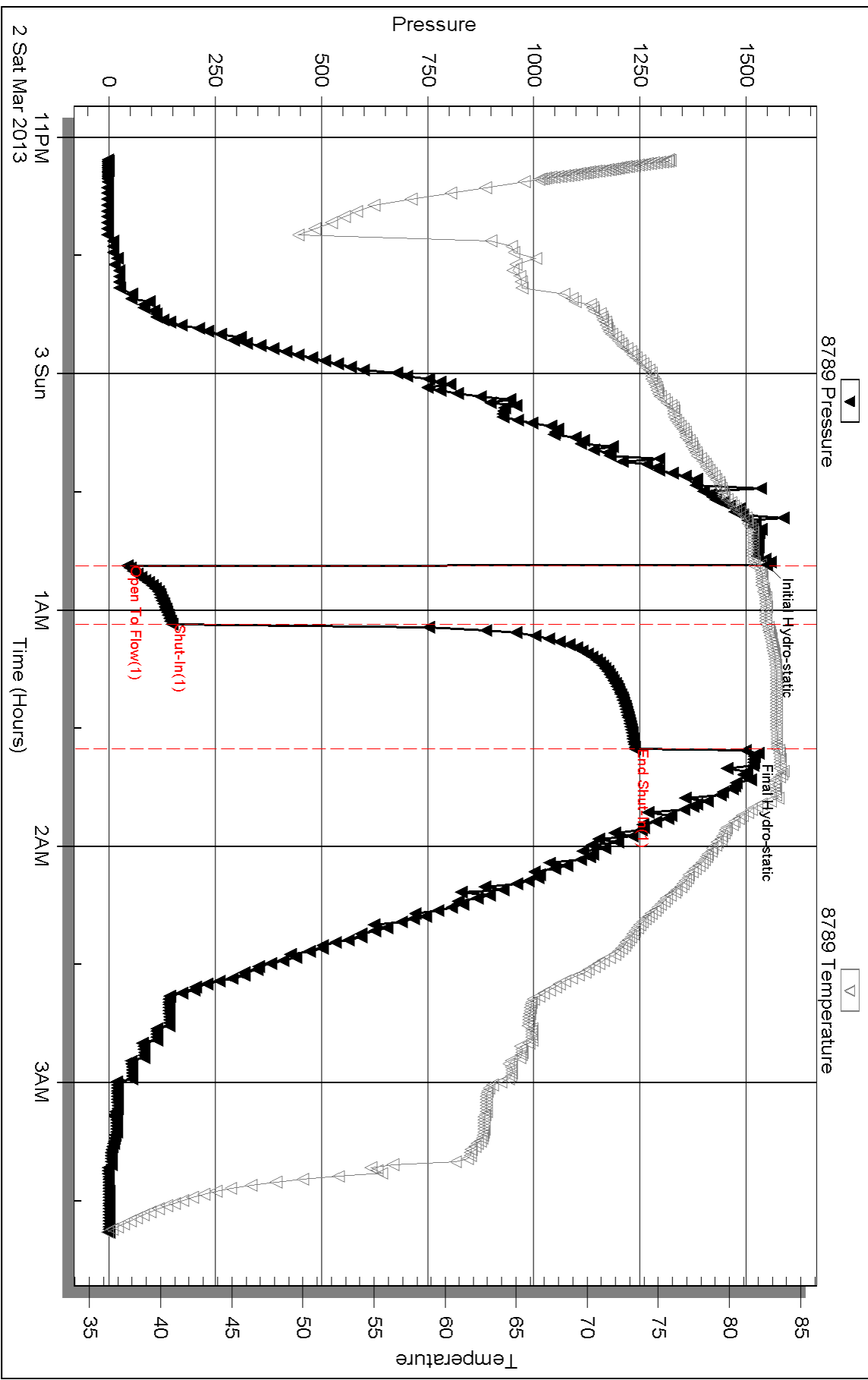
Inside

Bach Oil Production

#2 LJ Ranch

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50540

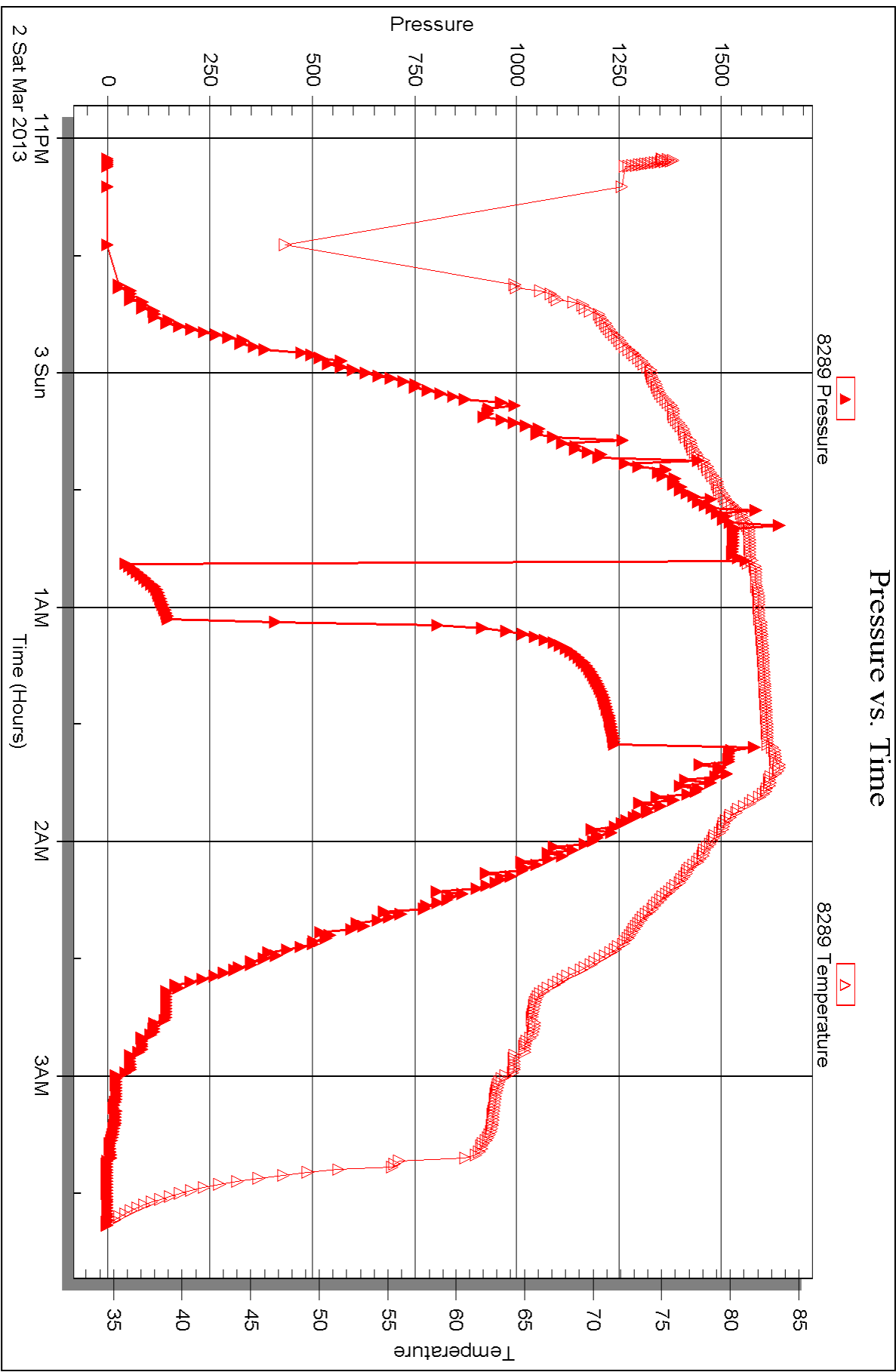
Printed: 2013.03.14 @ 11:41:55

Serial #: 8289

Outside Bach Oil Production

#2 LJ Ranch

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

#2 LJ Ranch

3-4s-20w Phillips,KS

Start Date: 2013.03.03 @ 15:03:40

End Date: 2013.03.03 @ 23:24:40

Job Ticket #: 50541 DST #: 2

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

Printed: 2013.03.14 @ 11:41:01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Production

3-4s-20w Phillips,KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50541

DST#: 2

ATTN: Bob Peterson

Test Start: 2013.03.03 @ 15:03:40

GENERAL INFORMATION:

Formation: **C-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:50:40
 Time Test Ended: 23:24:40
 Interval: **3355.00 ft (KB) To 3400.00 ft (KB) (TVD)**
 Total Depth: 3400.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 2111.00 ft (KB)
 2106.00 ft (CF)
 KB to GR/CF: 5.00 ft

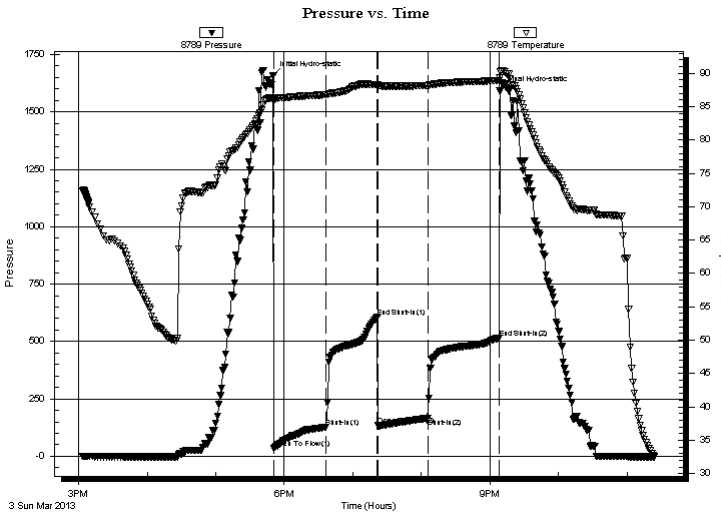
Serial #: 8789

Inside

Press @ Run Depth: 166.25 psig @ 3392.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.03 End Date: 2013.03.03 Last Calib.: 2013.03.03
 Start Time: 15:03:42 End Time: 23:24:40 Time On Btm: 2013.03.03 @ 17:50:10
 Time Off Btm: 2013.03.03 @ 21:08:25

TEST COMMENT: IFP-Weak Blow , Built to 6"
 ISI-Surface Blow back for 18 Min.
 FFP-Weak Blow , Built to 4-1/2"
 FSI-Surface Blow back for 20 Min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1657.16	86.38	Initial Hydro-static
1	33.87	85.73	Open To Flow (1)
47	127.57	86.80	Shut-In(1)
92	605.66	88.30	End Shut-In(1)
92	133.35	88.13	Open To Flow (2)
136	166.25	88.18	Shut-In(2)
198	515.25	88.95	End Shut-In(2)
199	1594.30	89.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Muddy Water-1%O-89%W-10%M	0.89
70.00	OCWM-15%O-25%W-60%M	0.93
30.00	Free Oil	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

3-4s-20w Phillips, KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50541

DST#: 2

ATTN: Bob Peterson

Test Start: 2013.03.03 @ 15:03:40

GENERAL INFORMATION:

Formation: **C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:50:40

Time Test Ended: 23:24:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 3355.00 ft (KB) To 3400.00 ft (KB) (TVD)

Reference Elevations: 2111.00 ft (KB)

Total Depth: 3400.00 ft (KB) (TVD)

2106.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8289 Outside

Press @ Run Depth: psig @ 3392.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.03

End Date:

2013.03.03

Last Calib.:

2013.03.03

Start Time: 15:03:13

End Time:

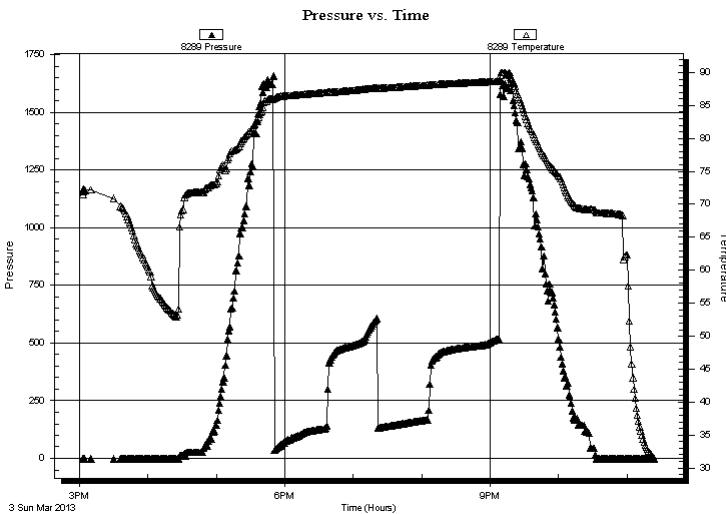
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Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Weak Blow , Built to 6"
ISI-Surface Blow back for 18 Min.
FFP-Weak Blow , Built to 4-1/2"
FSI-Surface Blow back for 20 Min.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Muddy Water-1%O-89%W-10%M	0.89
70.00	OCWM-15%O-25%W-60%M	0.93
30.00	Free Oil	0.42

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

3-4s-20w Phillips,KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50541

DST#: 2

ATTN: Bob Peterson

Test Start: 2013.03.03 @ 15:03:40

Tool Information

Drill Pipe:	Length: 3157.00 ft	Diameter: 3.80 inches	Volume: 44.28 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 45.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3355.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	73.00 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			3328.00	
Shut In Tool	5.00			3333.00	
Hydraulic tool	5.00			3338.00	
Jars	5.00			3343.00	
Safety Joint	2.00			3345.00	
Packer	5.00			3350.00	28.00 Bottom Of Top Packer
Packer	5.00			3355.00	
Stubb	1.00			3356.00	
Perforations	3.00			3359.00	
Change Over Sub	1.00			3360.00	
Blank Spacing	31.00			3391.00	
Change Over Sub	1.00			3392.00	
Recorder	0.00	8789	Inside	3392.00	
Recorder	0.00	8289	Outside	3392.00	
Perforations	5.00			3397.00	
Bullnose	3.00			3400.00	45.00 Bottom Packers & Anchor
Total Tool Length:	73.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

3-4s-20w Phillips,KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50541

DST#: 2

ATTN: Bob Peterson

Test Start: 2013.03.03 @ 15:03:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

70000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	Muddy Water-1%O-89%W-10%M	0.885
70.00	OCWM-15%O-25%W-60%M	0.927
30.00	Free Oil	0.421

Total Length: 280.00 ft Total Volume: 2.233 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

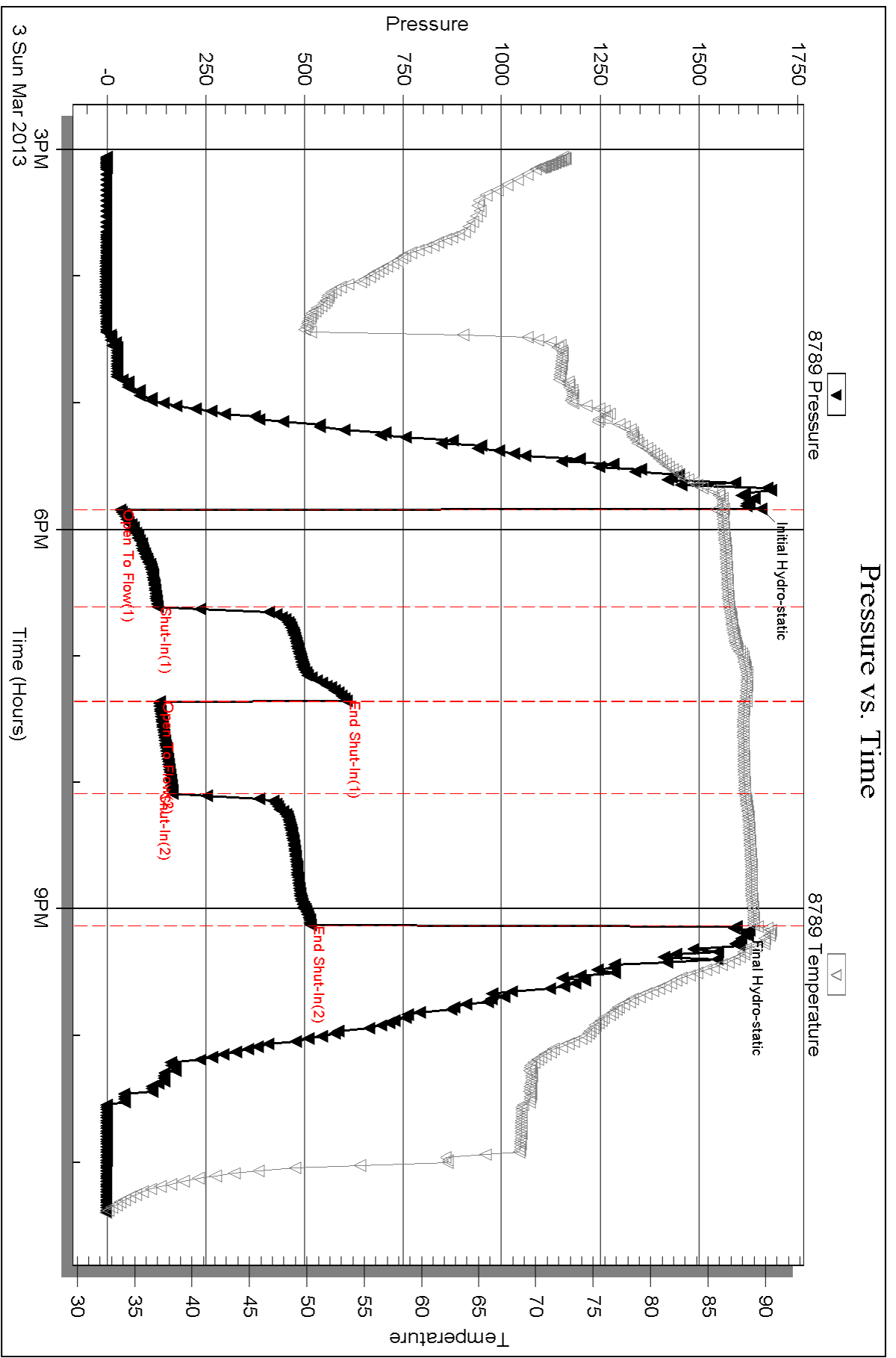
Serial #: 8789

Inside

Bach Oil Production

#2 LJ Ranch

DST Test Number: 2

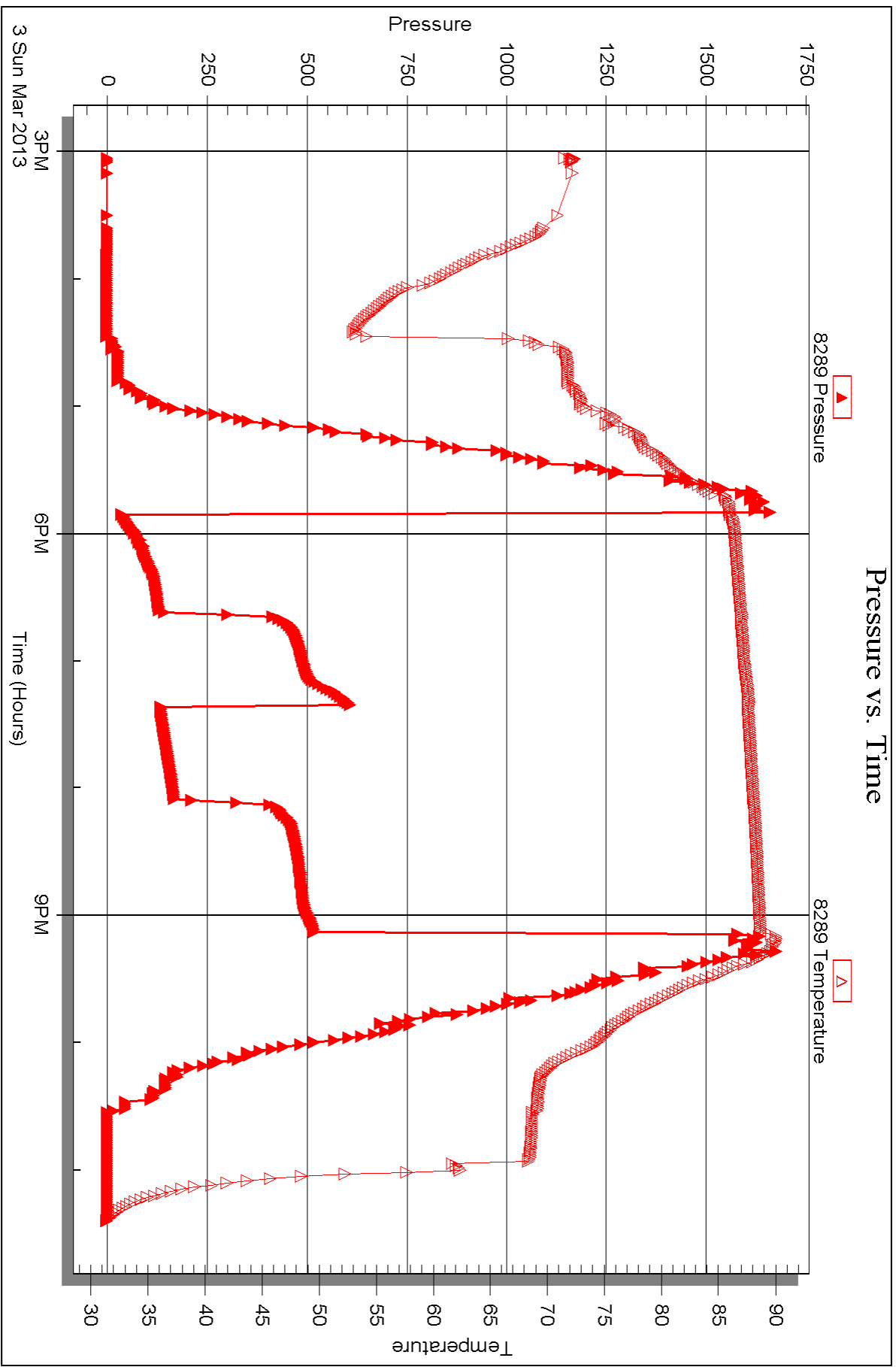


Serial #: 8289

Outside Bach Oil Production

#2 LJ Ranch

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 50541

Printed: 2013.03.14 @ 11:41:04



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

#2 LJ Ranch

3-4s-20w Phillips,KS

Start Date: 2013.03.04 @ 08:37:21

End Date: 2013.03.04 @ 14:27:36

Job Ticket #: 50542 DST #: 3

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

Printed: 2013.03.14 @ 11:39:51



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil Production

3-4s-20w Phillips,KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50542

DST#: 3

ATTN: Bob Peterson

Test Start: 2013.03.04 @ 08:37:21

GENERAL INFORMATION:

Formation: **C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:36:21

Time Test Ended: 14:27:36

Test Type: Conventional Bottom Hole (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 3475.00 ft (KB) To 3510.00 ft (KB) (TVD)

Reference Elevations: 2111.00 ft (KB)

Total Depth: 3510.00 ft (KB) (TVD)

2106.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8789 Inside

Press @ Run Depth: 18.02 psig @ 3477.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.04

End Date:

2013.03.04

Last Calib.:

2013.03.04

Start Time:

08:37:23

End Time:

14:27:36

Time On Btm:

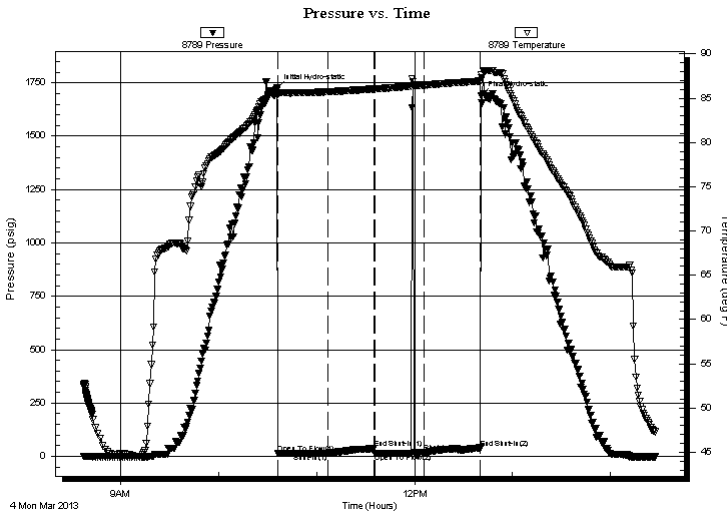
2013.03.04 @ 10:35:36

Time Off Btm:

2013.03.04 @ 12:40:51

TEST COMMENT: IFP-Weak Intermittant Surface Blow
ISI-Dead
FFP-Dead, Flush Tool, Still Dead
FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.71	85.88	Initial Hydro-static
1	15.48	85.47	Open To Flow (1)
32	15.59	85.73	Shut-In(1)
60	36.79	86.05	End Shut-In(1)
60	14.69	86.04	Open To Flow (2)
90	18.02	86.47	Shut-In(2)
125	39.98	86.95	End Shut-In(2)
126	1691.88	87.64	Final Hydro-static

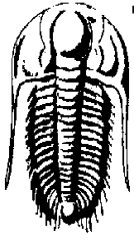
Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 5%o 95%m	0.02

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil Production

3-4s-20w Phillips, KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50542

DST#: 3

ATTN: Bob Peterson

Test Start: 2013.03.04 @ 08:37:21

GENERAL INFORMATION:

Formation: C-D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:36:21

Time Test Ended: 14:27:36

Test Type: Conventional Bottom Hole (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 3475.00 ft (KB) To 3510.00 ft (KB) (TVD)

Total Depth: 3510.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2111.00 ft (KB)

2106.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8289 Outside

Press @ RunDepth: psig @ 3477.00 ft (KB)

Start Date: 2013.03.04

End Date: 2013.03.04

Capacity: 8000.00 psig

Last Calib.: 2013.03.04

Start Time: 08:36:53

End Time: 14:27:36

Time On Btm:

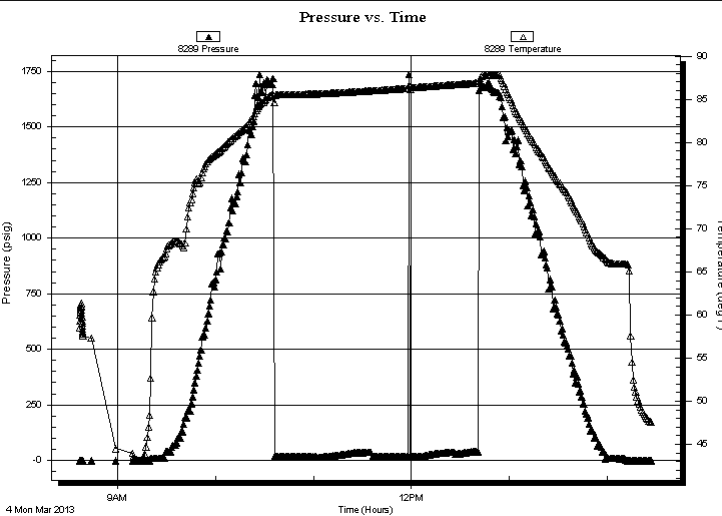
Time Off Btm:

TEST COMMENT: IFP-Weak Intermittant Surface Blow

ISI-Dead

FFP-Dead, Flush Tool, Still Dead

FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 5%o 95%m	0.02

* 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

3-4s-20w Phillips,KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50542

DST#: 3

ATTN: Bob Peterson

Test Start: 2013.03.04 @ 08:37:21

Tool Information

Drill Pipe:	Length: 3280.00 ft	Diameter: 3.80 inches	Volume: 46.01 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 46.92 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	3475.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	63.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

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

Change Over Sub	1.00			3448.00	
Shut In Tool	5.00			3453.00	
Hydraulic tool	5.00			3458.00	
Jars	5.00			3463.00	
Safety Joint	2.00			3465.00	
Packer	5.00			3470.00	28.00 Bottom Of Top Packer
Packer	5.00			3475.00	
Stubb	1.00			3476.00	
Perforations	1.00			3477.00	
Recorder	0.00	8789	Inside	3477.00	
Recorder	0.00	8289	Outside	3477.00	
Perforations	30.00			3507.00	
Bullnose	3.00			3510.00	35.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

3-4s-20w Phillips,KS

PO Box 723
Alma, NE 68920

#2 LJ Ranch

Job Ticket: 50542

DST#: 3

ATTN: Bob Peterson

Test Start: 2013.03.04 @ 08:37:21

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 5%o 95%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

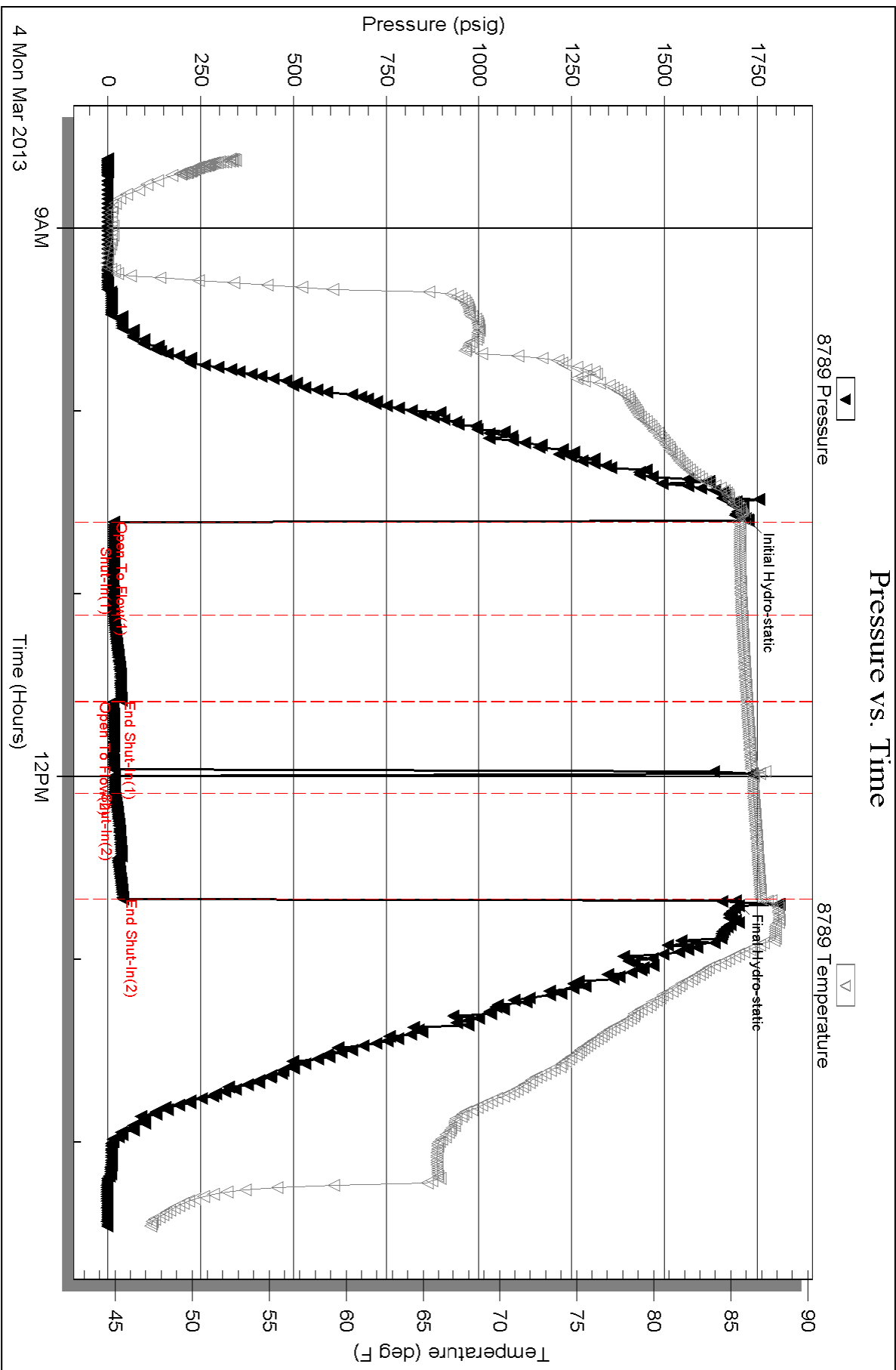
Serial #: 8789

Inside

Bach Oil Production

#2 LJ Ranch

DST Test Number: 3

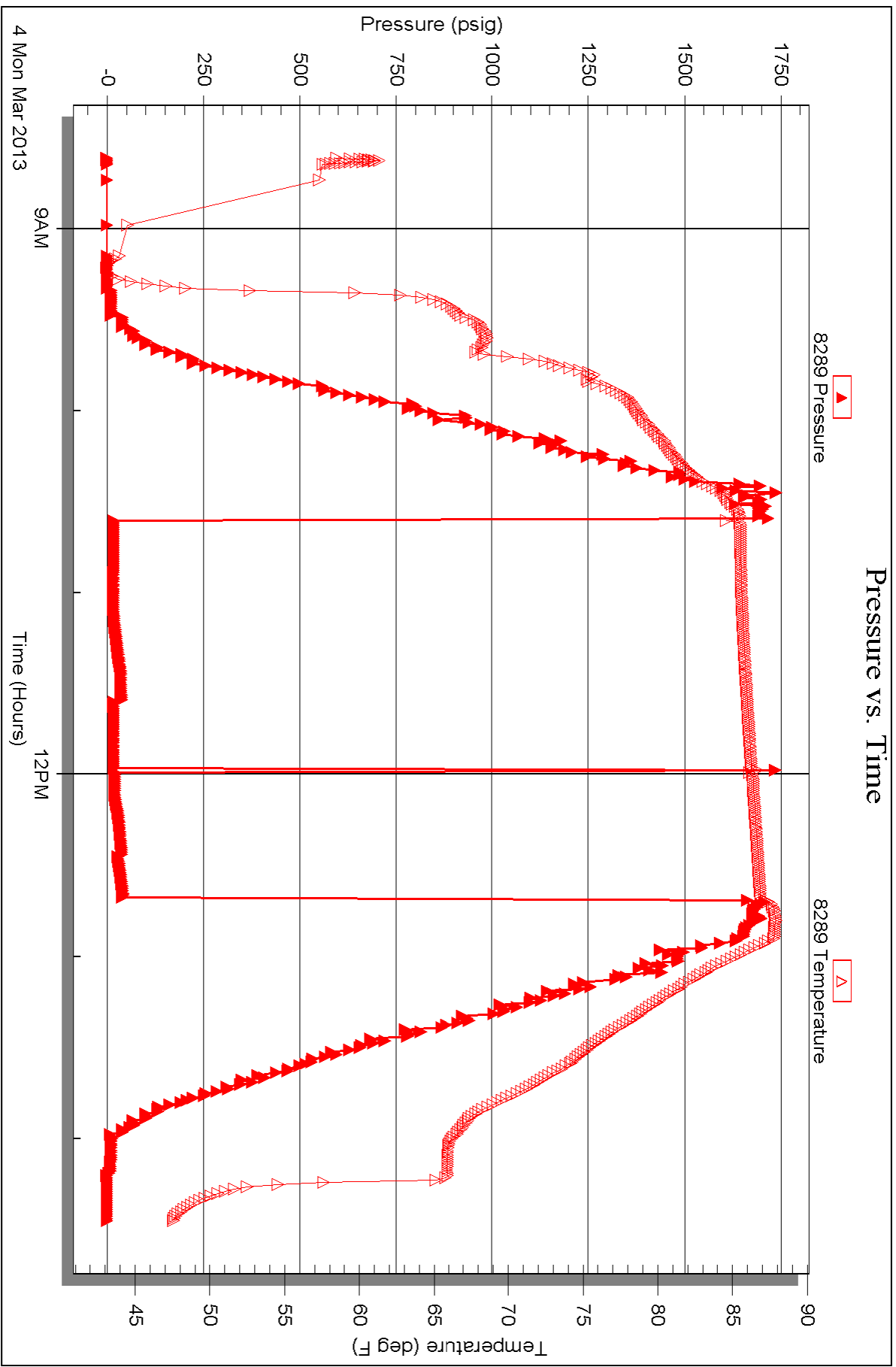


Serial #: 8289

Outside Bach Oil Production

#2 LJ Ranch

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50540

4/10

Well Name & No. #2 LJ Ranch Test No. 1 Date 3-3-13
 Company Bath Oil Production Elevation 2111 KB 2106 GL
 Address PO Box 723, Alma, NE, 68920
 Co. Rep / Geo. Bob Peterson Rig Murfin # 8
 Location: Sec. 3 Twp. 4s Rge. 20w Co. Phillips State Ks

Interval Tested 3187-3243 Zone Tested Compton Sand
 Anchor Length 56 Drill Pipe Run 2995 Mud Wt. 8.7
 Top Packer Depth 3182 Drill Collars Run 186 Vis 53
 Bottom Packer Depth 3187 Wt. Pipe Run 0 WL 6.4
 Total Depth 3243 Chlorides 350 ppm System LCM 2[#]
 Blow Description IFP - Good Blow, BOB in 7 min.
ISI - Dead, Pull Tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>250</u>	<u>Muddy water</u>		<u>60</u>	<u>40</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

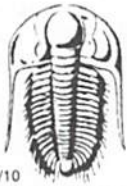
Rec Total 250 BHT _____ Gravity _____ API RW 206 @ 37 ° F Chlorides 70,000 ppm

(A) Initial Hydrostatic <u>1548</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>22:10</u>
(B) First Initial Flow <u>44</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>23:03</u>
(C) First Final Flow <u>148</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>24:48</u>
(D) Initial Shut-In <u>1238</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1:33</u>
(E) Second Initial Flow <u>/ / / / /</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>3:37</u>
(F) Second Final Flow <u>/ / / / /</u>	<input checked="" type="checkbox"/> Mileage <u>148rt 229.40</u>	Comments _____
(G) Final Shut-In <u>/ / / / /</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1498</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow _____	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In _____	<input type="checkbox"/> Day Standby _____	Total <u>1704.40</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1704.40</u>	

Approved By _____

Our Representative Jason McFarman Thank You

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. 50541

Well Name & No. #2 LJ Ranch Test No. 2 Date 3-4-13
 Company Bach Oil Production Elevation 2111 KB 2106 GL
 Address PO Box 723, Alma, NE., 68920
 Co. Rep / Geo. Bob Peterson Rig Murfin #8
 Location: Sec. 3 Twp. 4s Rge. 20w Co. Phillips State KS

Interval Tested 3355-3400 Zone Tested C-D
 Anchor Length 45' Drill Pipe Run 3157 Mud Wt. 9.0
 Top Packer Depth 3350 Drill Collars Run 186 Vis 54
 Bottom Packer Depth 3355 Wt. Pipe Run 0 WL 6.4
 Total Depth 3400 Chlorides 800 ppm System LCM 2#
 Blow Description IIP- Weak Blow, Built to 6"
ISI- Surface Blowback for 18 min
FIP- Weak Blow, Built to 4 1/2"
FST- Surface Blowback for 20 min

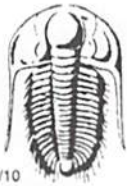
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Free Oil</u>				
<u>70</u>	<u>OCMW</u>		<u>15</u>	<u>25</u>	<u>60</u>
<u>180</u>	<u>VSOCMW</u>		<u>1</u>	<u>89</u>	<u>10</u>

Rec Total 280 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides 70,000 ppm

(A) Initial Hydrostatic 1657 Test 1150 T-On Location 14:43
 (B) First Initial Flow 34 Jars 250 T-Started 15:01
 (C) First Final Flow 128 Safety Joint 75 T-Open 17:48
 (D) Initial Shut-In 606 Circ Sub _____ T-Pulled 21:03
 (E) Second Initial Flow 134 Hourly Standby _____ T-Out 23:19
 (F) Second Final Flow 166 Mileage 229.40 Comments _____
 (G) Final Shut-In 515 Sampler _____
 (H) Final Hydrostatic 1594 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1704.40
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1704.40

Approved By _____ Our Representative Jason McLane Thank you

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. 50542

Well Name & No. # 2 LJ Ranch Test No. 3 Date 3-4-13
 Company Bach Oil Production Elevation 2111 KB 2106 GL
 Address PO Box 723, Alma, NE, 68920
 Co. Rep / Geo. Bob Peterson Rig Martin # 8
 Location: Sec. 3 Twp. 4s Rge. 20w Co. Phillips State Ks

Interval Tested 3475-3510 Zone Tested I-J
 Anchor Length 35' Drill Pipe Run 3280 Mud Wt. 9.1
 Top Packer Depth 3470 Drill Collars Run 184 Vis 58
 Bottom Packer Depth 3475 Wt. Pipe Run 0 WL 7.6
 Total Depth 3510 Chlorides 1,000 ppm System LCM 2"
 Blow Description IFP- Weak Intermittant + Surface Blow
ISI-Dead
FFP-Dead. Flush Tool, still Dead
FSI-Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>SOCM</u>	<u>5</u>		<u>95</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 5 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1724</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>8:26</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:35</u>
(C) First Final Flow <u>16</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:48</u>
(D) Initial Shut-In <u>37</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>12:48</u>
(E) Second Initial Flow <u>15</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>14:30</u>
(F) Second Final Flow <u>18</u>	<input checked="" type="checkbox"/> Mileage <u>229.40</u>	Comments _____
(G) Final Shut-In <u>40</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1692</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1704.40</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1704.40</u>	

Approved By _____ Our Representative _____

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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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

June 10, 2013

Jason Bach
Bach, Jason dba Bach Oil Production
PO BOX 723
ALMA, NE 68920-0723

Re: ACO1
API 15-147-20707-00-00
LJ Ranch 2
NE/4 Sec.03-04S-20W
Phillips 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,
Jason Bach