



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1056381

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887
 Fax: (785) 483-5566

AL 5-5-11

INVOICE

Invoice Number: 126866

Invoice Date: Apr 13, 2011

Page: 1

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

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	Becker #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Oakley	Apr 11, 2011	5/13/11

Quantity	Item	Description	Unit Price	Amount
160.00	MAT	Class A Common	16.25	2,600.00
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Chloride	58.20	349.20
169.00	SER	Handling	2.25	380.25
90.00	SER	Mileage 169 sx @ .11 per sk per mi	18.59	1,673.10
1.00	SER	Surface	1,125.00	1,125.00
180.00	SER	Pump Truck Mileage	7.00	1,260.00
180.00	SER	Light Vehicle Mileage	4.00	720.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Wes Flinn		

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

\$ 1634.30

ONLY IF PAID ON OR BEFORE
May 8, 2011

Subtotal	8,171.30
Sales Tax	204.88
Total Invoice Amount	8,376.18
Payment/Credit Applied	
TOTAL	8,376.18

ALLIED CEMENTING CO., LLC. 039913

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Oakley KS

DATE	4/13/11	SEC.	30	TWP.	4	RANGE	20	CALLED OUT		ON LOCATION		JOB START	5:30pm	JOB FINISH	6:00pm
LEASE	Becker	WELL #	1	LOCATION	Logan W to mm 45							COUNTY	Phillips	STATE	KS
OLD OR NEW (Circle one)	NEW				N into										

CONTRACTOR Murfin 16
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 218.6
 CASING SIZE 8 5/8 DEPTH 218.0
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 12.93

OWNER Same
 CEMENT AMOUNT ORDERED 160 con 3070 cc
2070 gal

COMMON	<u>160</u>	@	<u>16²⁵</u>	<u>2600⁰⁰</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21²⁵</u>	<u>63²⁵</u>
CHLORIDE	<u>6</u>	@	<u>58²⁰</u>	<u>349²⁰</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>169 sks</u>	@	<u>2²⁵</u>	<u>380²⁵</u>
MILEAGE	<u>119 sk/mile</u>			<u>1673¹⁰</u>
			TOTAL	<u>5066³⁰</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan
 # 422 HELPER Wayne
 BULK TRUCK _____
 # 404 DRIVER Wes
 BULK TRUCK _____
 # _____ DRIVER _____

REMARKS:

Ran 8 5/8 log, Circulate, Mix Cement,
Disp/ce Cement, Wash Cell as
Cement did Circulate

Thank You
Alan, Wayne, Wes

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>1125⁰⁰</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>90x2</u>	@	<u>7⁰⁰</u>	<u>1260⁰⁰</u>
MANIFOLD		@		
Lite Vehicle	<u>90x2</u>	@	<u>4⁰⁰</u>	<u>720⁰⁰</u>
		@		
			TOTAL	<u>3105⁰⁰</u>

CHARGE TO: bach Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 126933

Invoice Date: Apr 18, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

Bill To:

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

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	Becker #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Russell	Apr 18, 2011	5/18/11

Quantity	Item	Description	Unit Price	Amount
90.00	MAT	Class A Common	16.25	1,462.50
60.00	MAT	Pozmix	8.50	510.00
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Salt	23.95	143.70
450.00	MAT	AMD	23.55	10,597.50
750.00	MAT	Gilsonite	0.89	667.50
616.00	SER	Handling	2.25	1,386.00
70.00	SER	Mileage 616 sx @.11 per sk per mi	67.76	4,743.20
1.00	SER	Production String	2,225.00	2,225.00
140.00	SER	Pump Truck Mileage	7.00	980.00
140.00	SER	Light Vehicle Mileage	4.00	560.00
14.00	EQP	5.5 Centralizer	51.00	714.00
4.00	EQP	5.5 Basket	236.00	944.00
1.00	EQP	5.5 AFU Float Shoe	245.00	245.00
1.00	EQP	5.5 Latch Down	194.00	194.00
1.00	CEMENTER	Shane Poche		
1.00	CEMENTER	Heath Long		
1.00	OPER ASSIST	Tony Pfannenstiel		
1.00	OPER ASSIST	Nick Williams		

Subtotal	25,436.15
Sales Tax	1,056.85
Total Invoice Amount	26,493.00
Payment/Credit Applied	
TOTAL	26,493.00

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

\$ **5087.23**

ONLY IF PAID ON OR BEFORE
May 13, 2011

ALLIED CEMENTING CO., LLC. 039590

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell

DATE <u>4/18/11</u>	SEC. <u>30</u>	TWP. <u>45</u>	RANGE <u>20W</u>	CALLED OUT	ON LOCATION	JOB START <u>3:45 AM</u>	JOB FINISH <u>4:45 A.M.</u>
LEASE <u>Becker</u>	WELL # <u>1</u>	LOCATION <u>Logan 2 1/2 W Ninto</u>			COUNTY <u>Phillips</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Murfin Drilling Rig #16.
 TYPE OF JOB Production String
 HOLE SIZE 7 7/8 T.D. 3510
 CASING SIZE 5 1/4 14# DEPTH 3510' 86
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 14.48
 CEMENT LEFT IN CSG. 14.48
 PERFS.
 DISPLACEMENT 85.34 bbl

OWNER
 CEMENT
 AMOUNT ORDERED 450 AMO.
150 6 1/4 109 Salt 5* Gilsonite / sk.
226cl

COMMON	<u>90</u>	@	<u>16.25</u>	<u>1462.50</u>
POZMIX	<u>60</u>	@	<u>8.50</u>	<u>510.00</u>
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE		@		
ASC		@		
Salt	<u>6</u>	@	<u>23.95</u>	<u>143.70</u>
AMO	<u>450</u>	@	<u>23.55</u>	<u>10,597.50</u>
Gilsonite	<u>750#</u>	@	<u>1.89</u>	<u>667.50</u>
		@		
		@		
		@		
		@		
HANDLING	<u>616</u>	@	<u>2.25</u>	<u>1386.00</u>
MILEAGE	<u>111/sk/ptc</u>			<u>4743.20</u>

EQUIPMENT

PUMP TRUCK CEMENTER Shane, Heath
 # 409 HELPER Tony
 BULK TRUCK
 # 481 DRIVER Todd
 BULK TRUCK
 # 378 DRIVER Nick

REMARKS:

Rat Hole 30sk Mouse Hole 15sk
Ran 5 1/2 to R.H.W. Est. Circulation
Mixed 450 AMO Lead Tailed
19 150sk. Shut down. Released
Phy. Insert @ 3497.38
Displaced 85.34 bbl.
75 bbl Cement Circulated.
Landed Phy @ 1700 psf
Float Held!

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>2225.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>140</u>	@	<u>7.00</u>	<u>980.00</u>
MANIFOLD		@		
	<u>LVM 140</u>	@	<u>4.00</u>	<u>560.00</u>
		@		

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

TOTAL 3765.00

PLUG & FLOAT EQUIPMENT

		@		
14 Centralizers		@	<u>51.00</u>	<u>714.00</u>
4 Baskets		@	<u>236.00</u>	<u>944.00</u>
AMO Float Shoe		@		<u>245.00</u>
1 catch down		@		<u>194.00</u>

Thanks!

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment
 and furnish cement and labor.

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: BECKER #1

**LOC.: 1420' FSL & 1720' FWL
SEC. 30-4-20W**

**PHILLIPS COUNTY, KANSAS
API: 15-147-20642-00-00**

**DRILLING CONTR.: MURFIN RIG #16
SPUD: 04-13-11 COMP: 04-17-11
MUD UP: 2800' TYPE MUD: CHEM.
DRILL TIME: 2900-RTD
RTD: 3510' LTD: 3503' (due to slough)
SAMPLES SAVED: 2900'-RTD
GEOLOGIST: ROBERT J. PETERSEN**

ELEVATION

KB: 2043'

GL: 2038'

LOG MEASURED

FROM: KB

SURFACE CASING

8 5/8" surface csg.
Set @220' KB.
Cem. w/160sx Common,
3% CC, 2% Gel.

PRODUCTION CASING

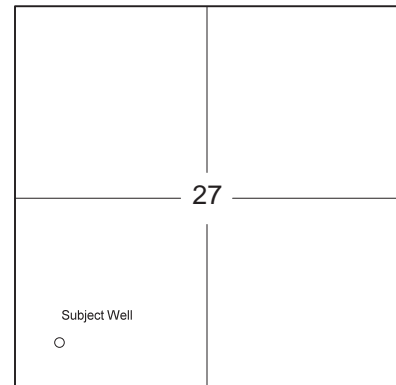
5 1/2" Set @3510'
W/ 600 SX Cem.

WELL LOG SURVEYS

RAG

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	1645	+398	-14
Base Stone Corral	1677	+366	-15
Topeka	3039	-996	-21
Heebner	3229	-1186	-23
Toronto	3257	-1214	-23
Lansing	3275	-1232	-25
Base Kansas City	3467	-1424	-24



REFERENCE WELL:

NCRA
Becker #1
SW SW SW 31-4-20W
2070 KB

DAILY REPORT

@7:00 A.M.

4-13-11 MIRU, SPUD
4-14-11 680' Drilling
4-15-11 2405' Drilling
4-16-11 3230' Drilling
4-17-11 3510' RTD TOH for Log

REMARKS AND RECOMMENDATIONS

Production casing has been run to further test this well for commercial production.

Respectfully submitted,

Robert J. Petersen April 18, 2011

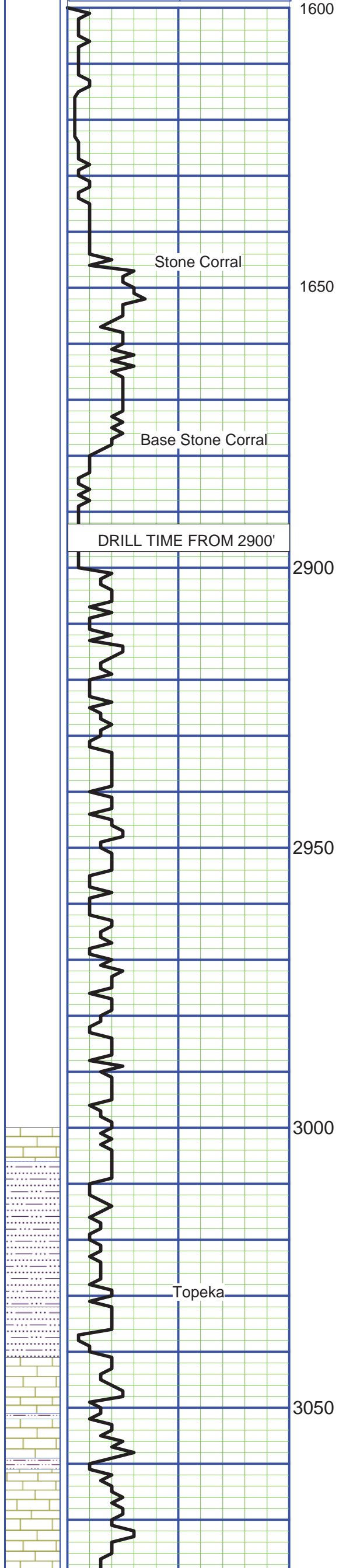
DRILL TIME MIN./FT

0

5

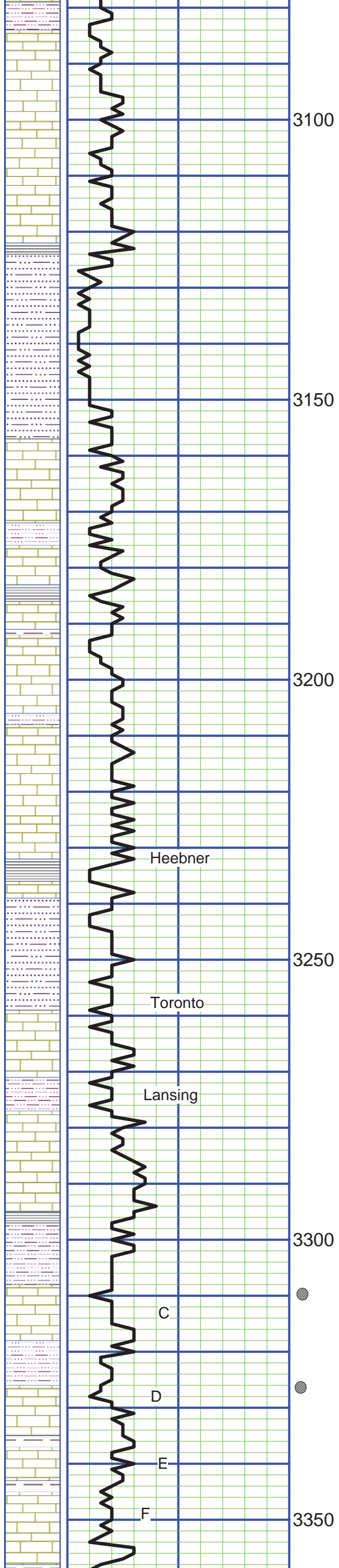
10

NOTE: DST #1 WAS ATTEMPTED
 BUT TOOL COULD NOT GET PAST
 LOWER DAKOTA TRIPPING IN FOR TEST.



SAMPLE DESCRIPTION

- LS; Cream/gray, fine crystalline, chalky + SH; Gray + SS; Micaceous (10)
- LS; Cream/gray, fine crystalline, sl foss, chalky + SH; Gray (20)
- LS; Gray, dense + LS; Cream/tan, fine crystalline, foss (30)
- LS; Gray, dense + LS; Cream, dense, chalky + SH; Gray (40)
- LS; Cream, fine crystalline to dense, foss, chalky + SH; Gray (50)
- LS; Cream/gray, fine crystalline, foss + SH; Gray/trace SS; Gray, fine grained (60)
- SS; Gray, fine grained, well cemented, micaceous (70)
- SS; Cream, fine grained, well cemented + LS; Cream, fine crystalline, foss (80)
- LS; Gray, fine crystalline, foss + SH; Gray, calcareous, sandy (90)
- LS; Gray, fine crystalline to dense + SH; Gray, silty-sandy (3000)
- LS; Gray/cream, fine crystalline, chalky + SH; Gray (10-20)
- SH; Red/gray, silty-sandy (30)
- SS; Graym fine grained (30-40)
- SS; Cream, fine grained, well-cem to friable (40)
- LS; Gray/brown, fine crystalline, foss (50)
- SH; Dark gray (60)
- LS; Grayy/cream, fine crystalline, foss, granular (60)
- LS; Cream/gray, fine crystalline, foss + SH; Gray, trace SS Wh/clear, fine graine, subrounded (70)
- SH; Red/gray + SS; Clear/white, fine grained, subrounded (80)
- LS; Cream/lt gray, fine crystalline to dense, foss (90)
- SS; Gray/dark gray, fine grained, subangular to angular, well-cem, trace Coarse Sand, Tan (90)



LS; Cream/gray, fine crystalline, foss, very chalky (3100)

3100

LS; Cream, fine crystalline, foss, subgranular, chalky, cherty (blocky cream/tan) (10-20)

LS; Cream, fine crystalline, foss-granular, dolomitic, cherty, chalky + SH; Gray/red, silty, sandy (30)

SH; Black (40-50)

Vis 64
Wt 8.7
LCM 1.5#

SS; Gray, fine grained, calcareous + LS; Cream/tan, fine crystalline, chalky (50-60)

3150

SH; Red, silty (70)

LS; Cream, fine crystalline, foss, chalky (70)

LS; Cream/gray, fine crystalline, foss, chalky (80)

SH; Red/gray, silty-sandy (90)

LS; Cream, fine crystalline, foss (3200)

SH; Black (3200)

Vis 64
Wt 8.7
LCM 1.5 #

LS; Cream/lt gray, fine crystalline, foss, chalky (10)

3200

SHORT TRIP
3200'

LS; Lt gray, fine crystalline, very foss-subgranular, mottled, chalky (20)

SH; Red/gray (20)

LS; Cream/lt gray, fine crystalline, foss-subgranular, chalky-cherty (30)

LS; Gray, fine crystalline to dense, foss, chert (40)

Heebner

SH; Black (flood 50)

LS; Gray/tan, fine crystalline, foss (50)

SH; Red/gray/green, sandy (60)

3250

SH; Red, silty-sandy + SS; Gray, fine grained, well-cemented, friable (70)

Toronto

LS; Cream, fine crystalline, foss, chalky (70)

LS; Cream/white, fine crystalline, foss, chalky, sl dolomitic, cherty w/barren poor fossil-cast por, poss trace dead stain (80)

Lansing

SH; Red/gray, silty (90)

LS; Cream/gray, fine crystalline, ool-granular, chalky (90)

LS; Cream, fine crystalline to dense, ool, cherty (3300)

LS; Cream/lt gray, fine crystalline, foss, chalky (10)

SH; Black (trace 10)

3300

SH; Red/gray, silty (20)

Attempted DST #1
3285-3310'

LS; Cream, fine crystalline, foss-subgranular w/fair to good intergran/fossil-cast por, ssfo, faint odor, light med brown stain on dry (20/20")

C

LS; Cream, fine crystalline, foss, chalky-cherty (20/40")

SH; Red (20/40' -00)

LS; Cream, fine crystalline, foss-subgranular, w/trace fossilcast por, tarry oil, no odor (40)

D

SH; Black (40)

LS; Cream, fine crystalline, foss, w/poor fossil-cast por, partially barren, trace stain (50)

E

SH; Red (50)

LS; Cream, fine crystalline, oolitic-granular, chalky (60)

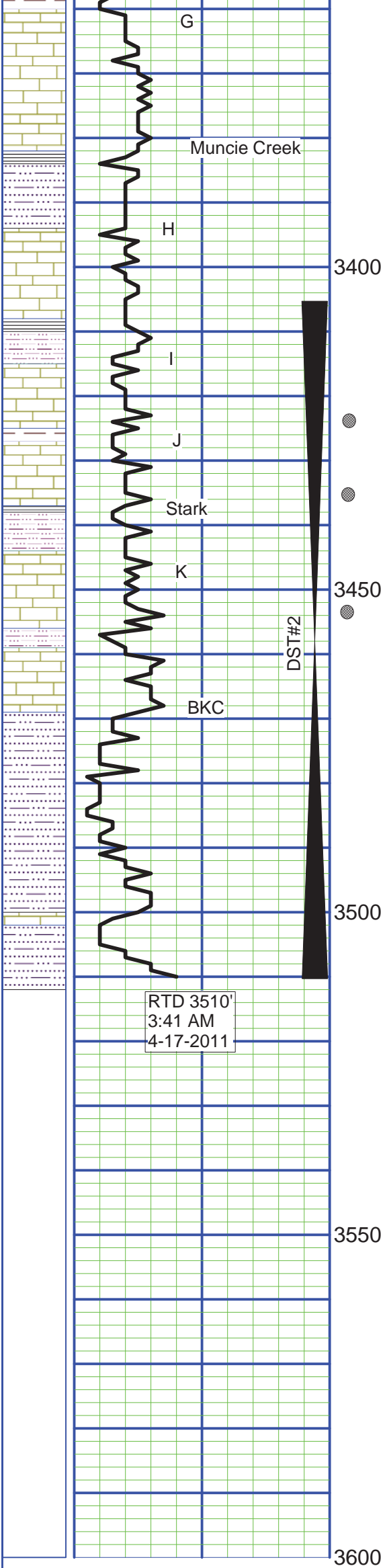
Vis 57
Wt 9.0

LS; Cream, fine crystalline, oolitic, dolomitic, chalky, trace dead stain (70)

3350

SH; Red, silty (70)

F



LS; Cream, fine crystalline, foss, dolo, chalky (80)

LS; Cream/lt gray, dense, cherty, sl dolo, chalky (3390-3400)

Muncie Creek

SH; Black (3400)

SH; Red/gray, silty-sandy (10)

H

LS; Cream/lt gray, fine crystalline, foss, sl dolo, chalky (10)

3400

LS; Gray, fine crystalline to dense (20)

Vis 63
Wt 9.1
LCM 4#

I

SH; Red/gray, silty-sandy (30)

LS; Cream, fine crystalline to dense, foss w/poor fossil-cast por, sfo, dark (black) sat on dry, ft odor (30-40)

J

SH; Red/gray (40)

Stark

LS; Cream/lt gray, fine crystalline to dense, foss, trace ppt por, spot sat, vssfo (50)

SH; Black (60)

SH; Red (60)

K

LS; Cream/lt gray, fine crystalline, foss, chalky, tr ppt por, tr stain, vssfo (70)

3450

SH; Red/gray, silty (70)

DST #2
3405-3510'
45-45-45-60"
IF: 9.75" in 45 min
FF: 5 in 45 min
Recovered:
80' MCO
120' OCM
SIP: 1020-1012#
FP: 24-85/87-108#

LS; Cream, fine crystalline, ool-granular, chalky (90)

BKC

SH; Red/gray, silty-sandy (90)

SH; Red, calcareous, sandy (3500)

SH; Gray (10)

3500

LS; Cream/tan, fine crystalline, foss, chalky (10)

SH; Red, silty-sandy + LS; Cream, dense, chalky + Chert; Gray, dense (3310/30")

VIS 64
WT 9.1
LCM 4#

3550

3600



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma NE 68920

ATTN: Bob Peterson

30-4-20w Phillips,KS

Becker #1

Start Date: 2011.04.16 @ 15:45:23

End Date: 2011.04.16 @ 17:45:23

Job Ticket #: 42817 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42817

DST#: 1

ATTN: Bob Peterson

Test Start: 2011.04.16 @ 15:45:23

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 17:45:23

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Interval: 3295.00 ft (KB) To 3320.00 ft (KB) (TVD)

Reference Elevations: 2043.00 ft (KB)

Total Depth: 3320.00 ft (KB) (TVD)

2038.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 5.00 ft

Serial #: 8319 Outside

Press @ Run Depth: psig @ 3296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.04.16

End Date: 2011.04.16

Last Calib.: 2011.04.16

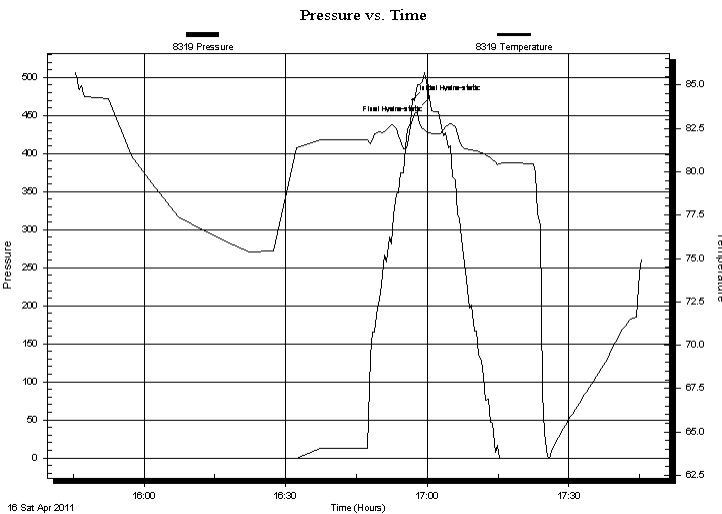
Start Time: 15:45:28

End Time: 17:45:23

Time On Btm: 2011.04.16 @ 16:56:53

Time Off Btm: 2011.04.16 @ 17:00:23

TEST COMMENT: Hit a bridge at 1055ft Mis-run



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	470.84	83.01	Initial Hydro-static
4	473.82	82.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42817

DST#: 1

ATTN: Bob Peterson

Test Start: 2011.04.16 @ 15:45:23

Tool Information

Drill Pipe:	Length: 970.00 ft	Diameter: 3.80 inches	Volume: 13.61 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	lb
			<u>Total Volume:</u>	Tool Chased	ft
			- bbl	String Weight: Initial	lb
Drill Pipe Above KB:	-2267.00 ft			Final	lb
Depth to Top Packer:	3295.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	53.00 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			3268.00	
Shut In Tool	5.00			3273.00	
Hydraulic tool	5.00			3278.00	
Jars	5.00			3283.00	
Safety Joint	2.00			3285.00	
Packer	5.00			3290.00	28.00 Bottom Of Top Packer
Packer	5.00			3295.00	
Stubb	1.00			3296.00	
Recorder	0.00	6753	Inside	3296.00	
Recorder	0.00	8319	Outside	3296.00	
Perforations	21.00			3317.00	
Bullnose	3.00			3320.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42817

DST#: 1

ATTN: Bob Peterson

Test Start: 2011.04.16 @ 15:45:23

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

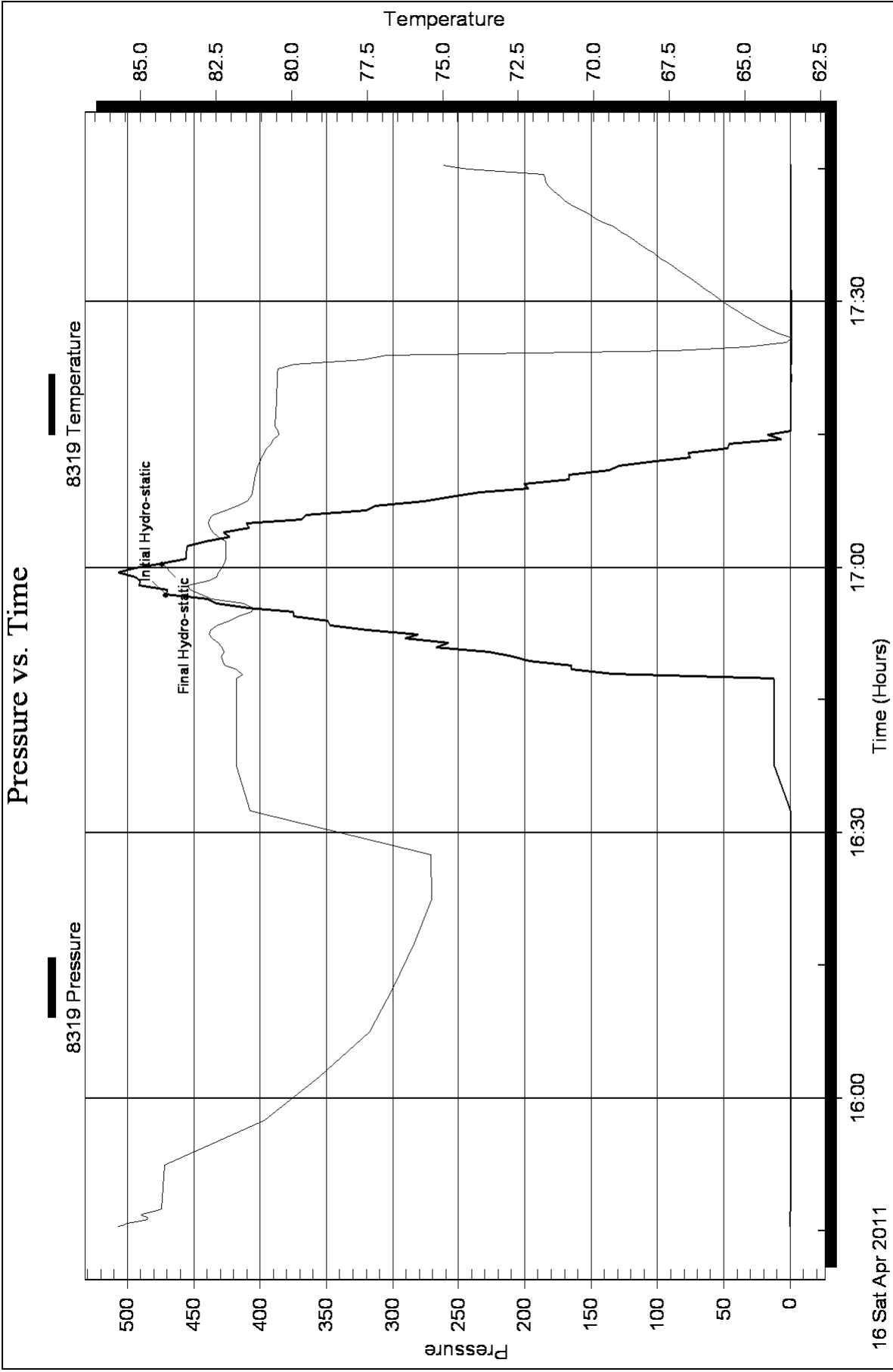
Length ft	Description	Volume bbbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma NE 68920

ATTN: Bob Peterson

30-4-20w Phillips,KS

Becker #1

Start Date: 2011.04.17 @ 09:45:32

End Date: 2011.04.17 @ 17:20:32

Job Ticket #: 42818 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42818

DST#: 2

ATTN: Bob Peterson

Test Start: 2011.04.17 @ 09:45:32

GENERAL INFORMATION:

Formation: **LKC "I,J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:17:32

Time Test Ended: 17:20:32

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Interval: 3405.00 ft (KB) To 3510.00 ft (KB) (TVD)

Reference Elevations: 2043.00 ft (KB)

Total Depth: 3510.00 ft (KB) (TVD)

2038.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press @ Run Depth: 107.81 psig @ 3406.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.04.17

End Date:

2011.04.17

Last Calib.: 2011.04.17

Start Time: 09:45:37

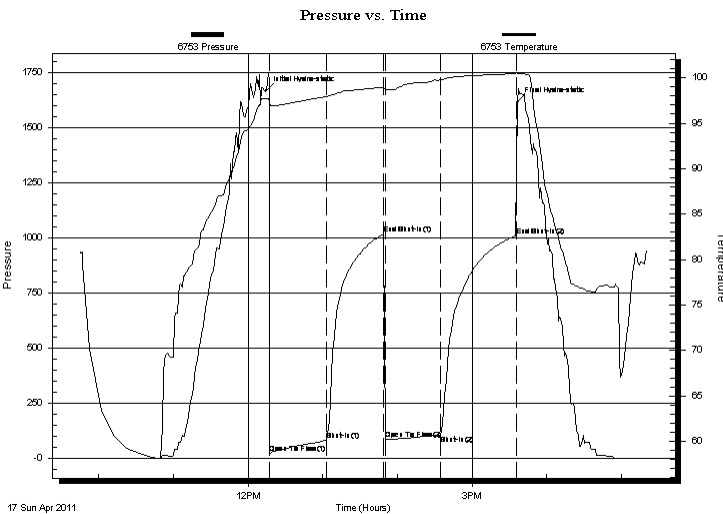
End Time:

17:20:31

Time On Btm: 2011.04.17 @ 12:14:32

Time Off Btm: 2011.04.17 @ 15:36:32

TEST COMMENT: IF-9.75 in blow
ISI-No blow
FF-5 in blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1668.64	97.70	Initial Hydro-static
3	23.91	96.66	Open To Flow (1)
49	84.85	97.93	Shut-In(1)
95	1020.06	98.96	End Shut-In(1)
96	87.02	98.70	Open To Flow (2)
140	107.81	99.79	Shut-In(2)
201	1012.32	100.45	End Shut-In(2)
202	1616.95	100.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOCM 15%O 85%M	0.30
60.00	OCM 40%O 60%M	0.30
60.00	MCO 70%O 30%M	0.30
20.00	MCO 55%O 45%M	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42818

DST#: 2

ATTN: Bob Peterson

Test Start: 2011.04.17 @ 09:45:32

Tool Information

Drill Pipe:	Length: 3170.00 ft	Diameter: 3.80 inches	Volume: 44.47 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume:</u>	Tool Chased	2.00 ft
			- bbl	String Weight: Initial	55000.00 lb
Drill Pipe Above KB:	3.00 ft			Final	55000.00 lb
Depth to Top Packer:	3405.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	105.00 ft				
Tool Length:	133.00 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			3378.00	
Shut In Tool	5.00			3383.00	
Hydraulic tool	5.00			3388.00	
Jars	5.00			3393.00	
Safety Joint	2.00			3395.00	
Packer	5.00			3400.00	28.00 Bottom Of Top Packer
Packer	5.00			3405.00	
Stubb	1.00			3406.00	
Recorder	0.00	6753	Inside	3406.00	
Recorder	0.00	8319	Outside	3406.00	
Perforations	6.00			3412.00	
Change Over Sub	1.00			3413.00	
Drill Pipe	63.00			3476.00	
Change Over Sub	1.00			3477.00	
Perforations	30.00			3507.00	
Bullnose	3.00			3510.00	105.00 Bottom Packers & Anchor
Total Tool Length:	133.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

Becker #1

PO Box 723
Alma NE 68920

30-4-20w Phillips,KS

Job Ticket: 42818

DST#: 2

ATTN: Bob Peterson

Test Start: 2011.04.17 @ 09:45:32

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:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 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 bbl
60.00	SOCM 15%O 85%M	0.295
60.00	OCM 40%O 60%M	0.295
60.00	MCO 70%O 30%M	0.295
20.00	MCO 55%O 45%M	0.098

Total Length: 200.00 ft

Total Volume: 2.533 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

