KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1056415

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31569
Name: Bach, Jason dba Bach Oil Production
Address 1: PO BOX 723
Address 2:
City: ALMA State: NE Zip: 68920 + 0723
Contact Person: Jason Bach
Phone: (308) 928-8920
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Bob Peterson
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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 #:

4/06/2011	4/11/2011	4/14/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-163-23945-00-00
Spot Description:
SE - NE - SW - SE Sec. 27 Twp. 6 S. R. 20 [ ] East [x] West
850 Feet from [ ] North / [x] South Line of Section
1610 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Rooks
Lease Name: Dewey Well #: 1
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 2178 Kelly Bushing: 2183
Total Depth: 3725 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 218 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 1228
feet depth to: 0 w/ 210 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 11000 ppm Fluid volume: 500 bbls
Dewatering method used: Evaporated

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:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrisor **Date:** 07/11/2011

Side Two

1056415

Operator Name: Bach, Jason dba Bach Oil Production Lease Name: Dewey Well #: 1

Sec. 27 Twp. 6 S. R. 20 ☐ East ☑ West County: Rooks

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Rag

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	20	218	COM	210	3% CC/2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR.

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	Dewey 1
Doc ID	1056415

Tops

Name	Top	Datum
Anhydrite	1776	+407
Base Anhydrite	1807	+376
Topeka	3183	-1000
Heebner	3384	-1201
Toronto	3406	-1223
Lansing	3421	-1238
Base Kansas City	3625	-1442
Arbuckle	3679	-1496

ALLIED
CEMENTING CO., LLC
Cementing & Acidizing Services

PO BOX 31 Russell, KS 67665

Pd 5-5-11

INVOICE

Invoice Number: 126824
Invoice Date: Apr 7, 2011
Page: 1

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

Bill To:

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

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Bach	Dewey #1	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS2-01	Russell	Apr 7, 2011	5/7/11

Quantity	Item	Description	Unit Price	Amount
210.00	MAT	Class A Common	16.25	3,412.50
4.00	MAT	Gel	21.25	85.00
7.00	MAT	Chloride	58.20	407.40
221.00	SER	Handling	2.25	497.25
45.00	SER	Mileage 221 sx @.11 per sk per mi	24.31	1,093.95
1.00	SER	Surface	1,125.00	1,125.00
90.00	SER	Pump Truck Mileage	7.00	630.00
90.00	SER	Light Vehicle Mileage	4.00	360.00
1.00	CEMENTER	Shane Poche		
1.00	CEMENTER	Heath Long		
1.00	OPER ASSIST	Tony Pfannenstiel		
1.00	EQUIP OPER	Ron Bennett		
1.00	OPER ASSIST	Mark Radke		

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

$ 1522.22

ONLY IF PAID ON OR BEFORE

May 2, 2011

Subtotal	7,611.10
Sales Tax	
Total Invoice Amount	7,611.10
Payment/Credit Applied	
TOTAL	**7,611.10**

ALLIED CEMENTING CO., LLC. 039582

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
4/7/11	27	6	20		6:00 pm 4-6-11	9:30 AM	10:00 AM

LEASE	WELL #	LOCATION	COUNTY	STATE
Dewey	1	Damar N to Logan Rd 2N 2E	Rooks	KS

OLD OR (NEW) (Circle one)

CONTRACTOR Murfin Drilling Rig #16
TYPE OF JOB Surface Job
HOLE SIZE 12¼ T.D. 220'
CASING SIZE 8 5/8 DEPTH 218.05'
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

CEMENT

AMOUNT ORDERED 210 Com 3% cc 2% Gel

EQUIPMENT

PUMP TRUCK # 409 CEMENTER Shane, Heath
HELPER Tony
BULK TRUCK # 414 DRIVER Ron
BULK TRUCK # 378 DRIVER Mark

COMMON	210	@ 16.25	3412.50
POZMIX		@	
GEL	4	@ 21.25	85.00
CHLORIDE	7	@ 58.20	407.40
ASC		@	
HANDLING	221	@ 2.25	497.25
MILEAGE	.11/sk/mile		1093.95
		TOTAL	5496.10

REMARKS:

Ran 5 jts + Candig Jt.
Est Circulation
Mixed 210 sks
Cement Circulated

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			1125.00
EXTRA FOOTAGE		@	
MILEAGE	90	@ 7.00	630.00
MANIFOLD		@	
Lum	90	@ 4.00	360.00
4 hrs. Wait Time		@	
		TOTAL	2115.00

CHARGE TO: Back Oil Production

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

Thanks!

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment
and furnish cementer and helper(s) to assist owner or

ALLIED
CEMENTING CO., LLC
Cementing & Acidizing Services
PO BOX 31 Russell, KS 67665

PR 5-571

INVOICE

Invoice Number: 126865
Invoice Date: Apr 11, 2011
Page: 1

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

Bill To:

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

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	Dewey #1	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS2-03	Oakley	Apr 11, 2011	5/11/11

Quantity	Item	Description	Unit Price	Amount
147.00	MAT	Class A Common	16.25	2,388.75
98.00	MAT	Pozmix	8.50	833.00
8.00	MAT	Gel	21.25	170.00
61.00	MAT	Flo Seal	2.70	164.70
253.00	SER	Handling	2.25	569.25
45.00	SER	Mileage 253 sx @.11 per sk per mi	27.83	1,252.35
1.00	SER	Plug	2,225.00	2,225.00
90.00	SER	Pump Truck Mileage	7.00	630.00
90.00	SER	Light Vehicle Mileage	4.00	360.00
1.00	CEMENTER	David West		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Kevin Weighous		

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

$ 1718 61

ONLY IF PAID ON OR BEFORE

May 6, 2011

Subtotal	8,593.05
Sales Tax	541.36
Total Invoice Amount	9,134.41
Payment/Credit Applied	
TOTAL	**9,134.41**

ALLIED CEMENTING CO., LLC. 037183

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley KS

DATE 4-11-2011	SEC. 27	TWP. 6S	RANGE 20W	CALLED OUT	ON LOCATION	JOB START 5:00PM	JOB FINISH 6:00PM
LEASE Dewey	WELL # 1	LOCATION Damar KS, 8N, 3E, 3N, 1E, 1N, W/into				COUNTY Rooks	STATE KS,
OLD OR NEW (Circle one)							

CONTRACTOR Murfin #16
TYPE OF JOB Plug
HOLE SIZE 7 7/8 T.D. 3660'
CASING SIZE 8 5/8 DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 3660'
TOOL DEPTH
PRES. MAX 600 PSI MINIMUM —
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT Fresh Water & Mud

OWNER Bach Oil

CEMENT

AMOUNT ORDERED 245 SX 60:40:4% Gel + 1/4# Flo-Seal

EQUIPMENT

PUMP TRUCK # 422 CEMENTER David W.
HELPER Wayne M.
BULK TRUCK # 344/170 DRIVER Kevin W.
BULK TRUCK # DRIVER

COMMON	147 SKS	@ 16.25	2388.75
POZMIX	98 SKS	@ 8.50	833.00
GEL	8 SKS	@ 21.25	170.00
CHLORIDE		@	
ASC		@	
		@	
Flo-Seal	61#	@ 2.75	167.75
		@	
		@	
		@	
		@	
		@	
HANDLING	253	@ 2.25	569.25
MILEAGE	1¢ PER SK / MILE		1252.35
		TOTAL	5378.05

REMARKS:

1st Plug 3660' FT 25 SX
2nd Plug 1790 FT 25 SX
3rd Plug 1180 FT 100 SX
4th Plug 270 FT 40 SX
5th Plug 40 FT 10 SX
Rat 30 SX
Mouse 15 SX

SERVICE

DEPTH OF JOB 3611
PUMP TRUCK CHARGE 2225.00
EXTRA FOOTAGE @
MILEAGE 45 X 2 @ 7.00 630.00
MANIFOLD @
Light Vehicle 45 X 2 @ 4.00 360.00
@
TOTAL 3215.00

CHARGE TO: Bach Oil
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
@
@
@
@

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

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: DEWEY #1

LOC.: 850' FSL & 1610' FEL
SEC. 27-6-20W

ROOKS COUNTY, KANSAS
API: 15-163-23945-00-00

DRILLING CONTR.: MURFIN RIG #16
SPUD: 4-6-11 COMP: 04-11-11
MUD UP: 2800' TYPE MUD: CHEM.
DRILL TIME: 2900-RTD
RTD: 3725' LTD:3724'
SAMPLES SAVED: 3050'-RTD
GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2183'
GL: 2178'
LOG MEASURED
FROM: KB

SURFACE CASING

8 5/8" surface csg.
Set @218' KB.
Cem. w/210sx Common,
3% CC, 2% Gel.

PRODUCTION CASING

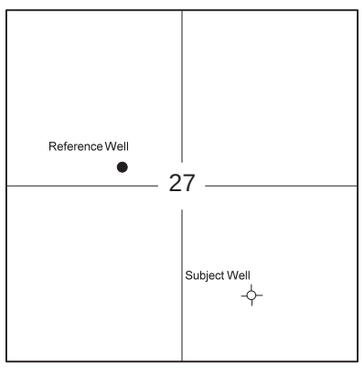
D & A

WELL LOG SURVEYS

RAG

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	1776	+407	+2
Base Stone Corral	1807	+376	FLAT
Topeka	3183	-100	-4
Heebner	3384	-1201	-10
Toronto	3406	-1223	-4
Lansing	3421	-1238	-9
Base Kansas City	3625	-1442	-12
Arbuckle	3679	-1496	-30



REFERENCE WELL:

Bach Oil
Lela #3
NW SE SE NW
27-6-20W
El 2040KB

REMARKS AND RECOMMENDATIONS

Due to the structural postion and DST results the operator plugged and abandoned this well.

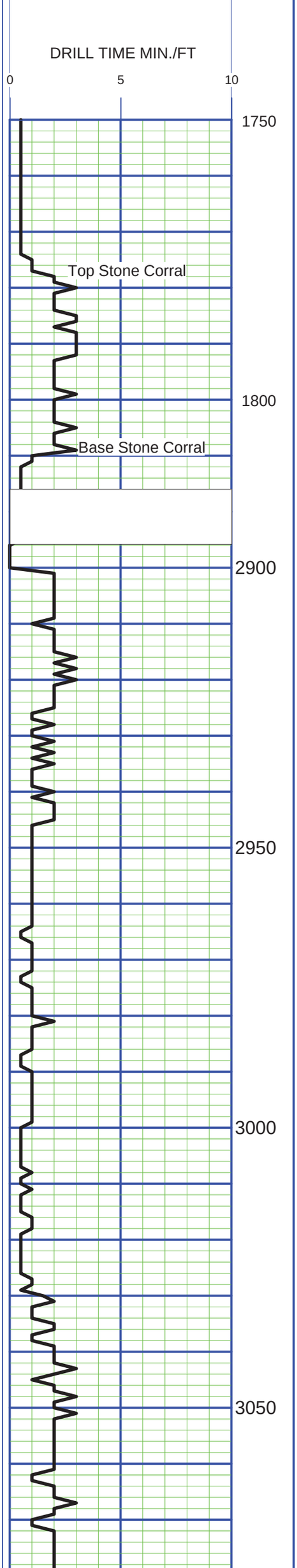
Respectfully submitted,

Robert J. Petersen

Robert J. Petersen

DAILY REPORT @7:00 A.M.

4-6-11 MIRU SPUD
4-7-11 220' Drilling
4-8-11 1610' Drilling
4-9-11 2810' Drilling
4-10-11 3435' Drilling
4-11-11 3725' DST#1

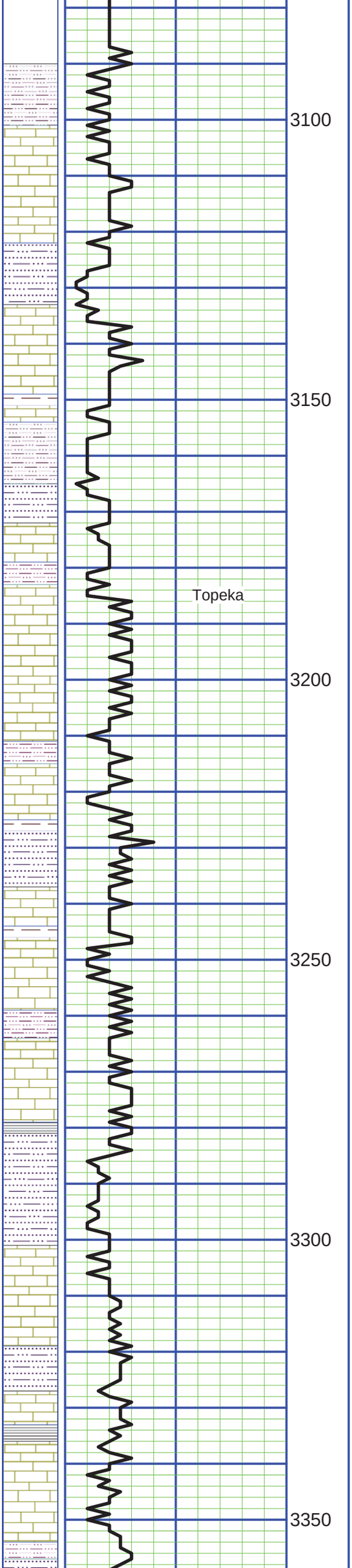


SAMPLE DESCRIPTION

LS; Cream/lt gray, fine crystalline, chalky (soft)(70)

LS; Cream/tan, fine crystalline to dense, foss, chalky + SH; Gray, silty-sandy (80)

LS; Cream, fine crystalline, foss, chalky + LS; Gray, dense + SH; Red/gray (90)



LS: L:t gray/cream, fine crystalline, foss, chalky + SH; Gray (3100)

SS; Gray/lt brow, fine grained, friable, silty (10)

LS; Gray/dark gray, fine crystalline, fossil-mottled, chalky (20)

LS; Cream, fine crystalline, foss, chalky(40)

SS: Gray, silty + SH; Red/gray (50)

LS; Gray/cream, fine crystallline, fossil-mottled, chalky(60)

LS; Tan/gray/cream; fine crystalline to dense, foss, blocky + SH; Red/gray (70)

SH; Gray, silty-sandy, gummy + LS; Cream, dense, foss (80)

SH; Gray, silty (90)

LS; Tan, fine crystalline, foss (90)

SH; Gray (3200)

LS; Gray/tan, dense, argillaceous (3200)

LS; Gray/cream, fine crystalline to dense, foss + SH; Gray/dark gray (10)

SH; Red/gray (20)

LS; Tan, fine crystalline, foss, sl dolomitic, chalky, cherty (20-30)

SH; Black (40)

SH; Red/gray, silty-sandy (40)

SS; Gray, fine grained, silty (50)

LS; Cream/tan, fine crystalline, ool, chalky (60)

SH; Gray (70)

LS; Lt gray/cream, fine crystalline, foss, mottled, dolomitic (80)

SH; Gray, calc (90)

LS; Lt gray/gray, fine crystalline, foss, subchalky (3300)

SH; Black (3300)

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

+Siltstone; Brown, hard (20)

LS; Cream, fine crystalline to dense, sl dolo (20)

LS; Cream, fine crystalline to dense, subchalky, foss (30)

VIS 57
WT 8.9
LCM 4#

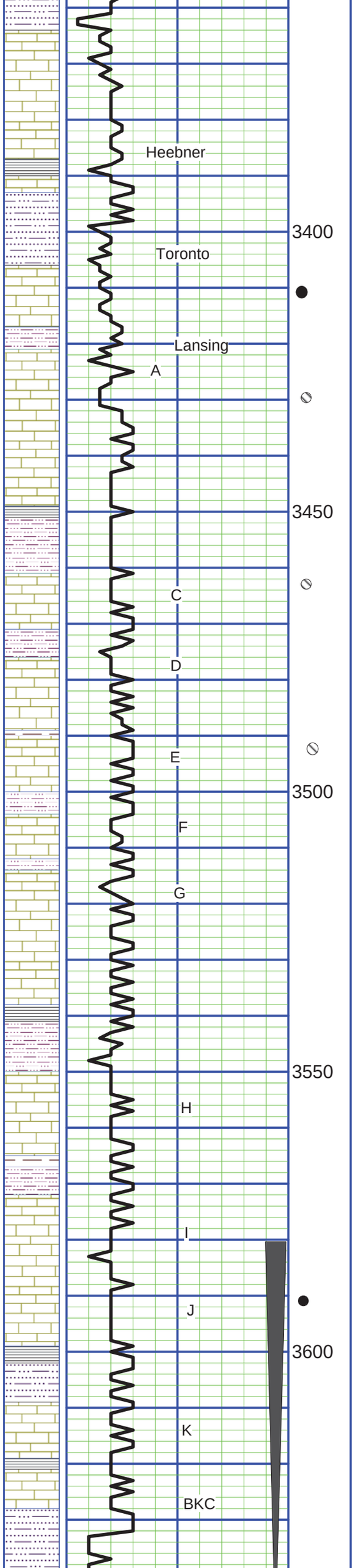
LS; Cream/lt gray, fine crystalline to dense, ool/foss, sl chalky/cherty + SH; Gray + SS; Gray, fine grained, ang (40)

SH; Black (50)

SH; Red/gray, silty-sandy (50)

LS; Tan/cream, fine crystalline to dense, ool + LS; Brown, dense, cherty, chalky + SH; Gray, silty (60)

LS; Cream, fine crystalline to dense, chalky, cherty + SH; Red (70)



LS; Cream/gray, fossil mottled, chalky, cherty, trace stain (80)

LS; Lt gray, fine crystalline, sl foss, chalky (90)

VIS 60
WT 8.9
LCM 4#

LS; Cream. Lt gray, fine crystallinem foss, chalky (3400)

SH; Black (3400)

LS; Tan/gray, very fine crystalline, foss (10)

SH; Red/gray, silty + SS; Gray (10)

SH; Red/gray, silty + SS; Tan (20)

SH; Brown, silty (30)

LS; Cream, fine crystalline, foss, w/fair intercrystalline/vug por, cherty, ssfo, lt stain, no odor (30)

LS; Cream, very fine crystalline to dense, foss (30)

SH; Red/gray, silty (40)

LS; Cream, fine crystalline, ool, subgranular, chalky (40)

trace pinpoint por, lt stain, vssfo (50)

VIS 58
WT 8.9
LCM 4#

LS; Cream, fine crystalline, ool, chalky, sl dolo (50-60)

LS; Gray, dense, foss (70)

SH; Black (70)

SH; Red/gray, silty, sandy (70)

SH; Green (80)

LS; Cream, fine crystalline, foss-subgranular, trace poor fossilcast por, spot dark stain, ssfo(tarry), no odor (80)

LS; Lt gray, fine to med crystalline, foss, sl dol (92)

SH: Red, silty (92)

LS; Cream, fine crystalline, foss, subgran w/chert inclusions, fair intercrystalline, por, lt stain, vssfo, no odor (92/20")

SH; Black + LS; Cream, fine crystalline, foss, subgranular w//poor intergran por, vssfo (3500)

LS: Cream, fine crystalline, ool-granular w/fair intergran por, lt stain, sfo, (10)

LS; Cream, fine crystalline, ool, chalky (20)

SH; Gray (20)

LS; Cream, fine crystalline to dense, chalky (20/20")

LS; Cream/tan, dense, chalky (20/40")

LS; Cream/tan, fine crystalline to dense, foss, chalky(soft) cherty (30)

LS; Cream, dense, foss, chalky, sl cherty (40-50)

LS; Gray, fine crystalline, foss, chalky (60)

SH; Black (60)

SH; Red/gray, silty-sandy (60)

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

SH; Red/gray, silty (80)

LS; Tan, fine crystaline to dense, mostly dense w/fossil-cast por, ssfo, odor, light stain (90)

LS: Cream, fine crystalline to dense, chalky-decrease in stain (3600)

VIS 68
WT 9.1

LS; Tan, fine crystalline, fossiliferous w/fair fossil-cast por, sfo, odor (10)

LS: Gray/tan, fine crystalline, foss (20)

SH; Black (trace 20)

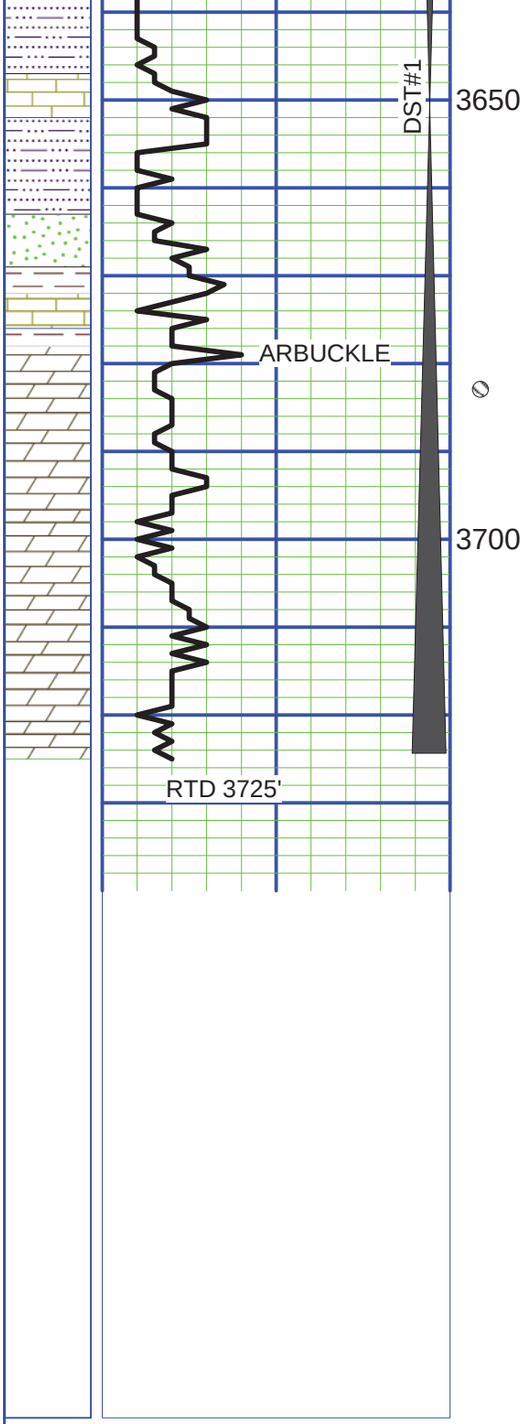
LS; Lt gray/cream, fine crystalline to dense, sl foss, very chalky w/scatt hematite nods(30)

SH; Black (30-40)

LS; Lt gray, fine crystalline, foss-subgranular, chalky (40-50)

SH; red/green/lt gray (50)

DST#1
3580-3725'
30-45-30-45
IF: Weak blow
built to 3 inches
FF: Weak surface blow



SH; Red/gray, sandy (60)

LS; Lt gray/cream, fine crystalline, foss, trace stain (60-70)
SH; Red/green, sandy (70)

trace SS; Gray, fine grained, subrounded, well-cem (80)

LS; Cream, fine crystalline, sl foss, chalky, blocky (90)
increase Chalky LS (90)

SS; Gray, fine to medium, subangular to subrounded, well cemented w/ssfo, no odor + SH; Dark gray, silty,sandy (90)

Dolo; Yellow/pink, medium crystalline, sucrosic, tight, cherty (brick red chert + smoky ool chert), trace poor vug por,vssfo (tarry), no odor(3700)

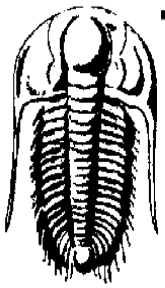
Dolo; Cream, medium to coarse crystalline, suc w/poor intercrystalline porm show dead oil (10)

Dolo; Pink/marron, coarse crystalline, sucrosic, tight (20)

Dol; Pink/tan, fine to med crystalline, fair vug por (barren)(25)

FP: Weak surface blow built to 1/2 inch
Recovered: 180' OCM 5% oil/95% mud
SIP 943-808#
FP: 28-53/91-114#

DRIFT SURVEY
220' 1/4 DEG.
1813' 3/4 DEG.
3725' 1 DEG



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

PO Box 723
Alma,NE. 68920

ATTN: Bob Peterson

27 6 20w Rooks,KS

Dewey #1

Start Date: 2011.04.11 @ 04:35:00
End Date: 2011.04.11 @ 10:00:00
Job Ticket #: 040764 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Bach Oil

PO Box 723
Alma,NE. 68920

ATTN: Bob Peterson

Dewey #1

27 6 20w Rooks,KS

Job Ticket: 040764 **DST#: 1**

Test Start: 2011.04.11 @ 04:35:00

GENERAL INFORMATION:

Formation: **LKC-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:07:00
Time Test Ended: 10:00:00

Test Type: Conventional Bottom Hole
Tester: Chuck Kreutzer Jr.
Unit No: 36

Interval: 3580.00 ft (KB) To 3725.00 ft (KB) (TVD)
Total Depth: 3725.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

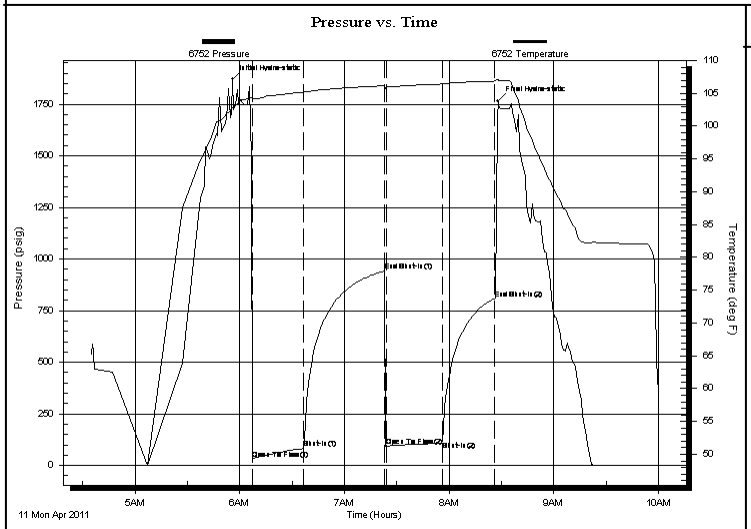
Reference Elevations: 2184.00 ft (KB)
2179.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6752 **Inside**

Press@RunDepth: 114.44 psig @ 3581.00 ft (KB)
Start Date: 2011.04.11 End Date: 2011.04.11
Start Time: 04:35:05 End Time: 09:59:59

Capacity: 8000.00 psig
Last Calib.: 2011.04.11
Time On Btm: 2011.04.11 @ 05:56:00
Time Off Btm: 2011.04.11 @ 08:28:00

TEST COMMENT: IF: Weak blow built to 3 in. over 30 mins.
ISI: No blow back over 45 mins.
FF: Weak blow after 10 mins. Built to 1/2 in. over 30 mins.
FSI: No blow back over 45 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1870.05	102.85	Initial Hydro-static
11	28.34	104.23	Open To Flow (1)
41	82.64	105.16	Shut-In(1)
87	942.93	106.18	End Shut-In(1)
88	90.65	106.01	Open To Flow (2)
120	114.44	106.43	Shut-In(2)
150	808.22	106.88	End Shut-In(2)
152	1766.33	107.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	ocm-5%o95%m	1.16

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil

PO Box 723
Alma,NE. 68920

ATTN: Bob Peterson

Dewey #1

27 6 20w Rooks,KS

Job Ticket: 040764 **DST#: 1**

Test Start: 2011.04.11 @ 04:35:00

Tool Information

Drill Pipe:	Length:	3419.00 ft	Diameter:	3.80 inches	Volume:	47.96 bbl	Tool Weight:		2800.00 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:	150.00 ft	Diameter:	2.25 inches	Volume:	0.74 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	48.70 bbl	Tool Chased		2.00 ft
Drill Pipe Above KB:		17.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		3580.00 ft						Final	52000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		145.20 ft							
Tool Length:		173.20 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			3557.00		
Hydraulic tool	5.00			3562.00		
Jars	5.00			3567.00		
Safety Joint	3.00			3570.00		
Packer	5.00			3575.00	28.00	Bottom Of Top Packer
Packer	5.00			3580.00		
Stubb	1.00			3581.00		
Recorder	0.00	6752	Inside	3581.00		
Recorder	0.00	6741	Outside	3581.00		
Perforations	4.00			3585.00		
Change Over Sub	0.60			3585.60		
Blank Spacing	124.00			3709.60		
Change Over Sub	0.60			3710.20		
Perforations	12.00			3722.20		
Bullnose	3.00			3725.20	145.20	Bottom Packers & Anchor
Total Tool Length:	**173.20**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil

PO Box 723
Alma,NE. 68920

ATTN: Bob Peterson

Dewey #1

27 6 20w Rooks,KS

Job Ticket: 040764 **DST#: 1**

Test Start: 2011.04.11 @ 04:35:00

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:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	2.00 inches				

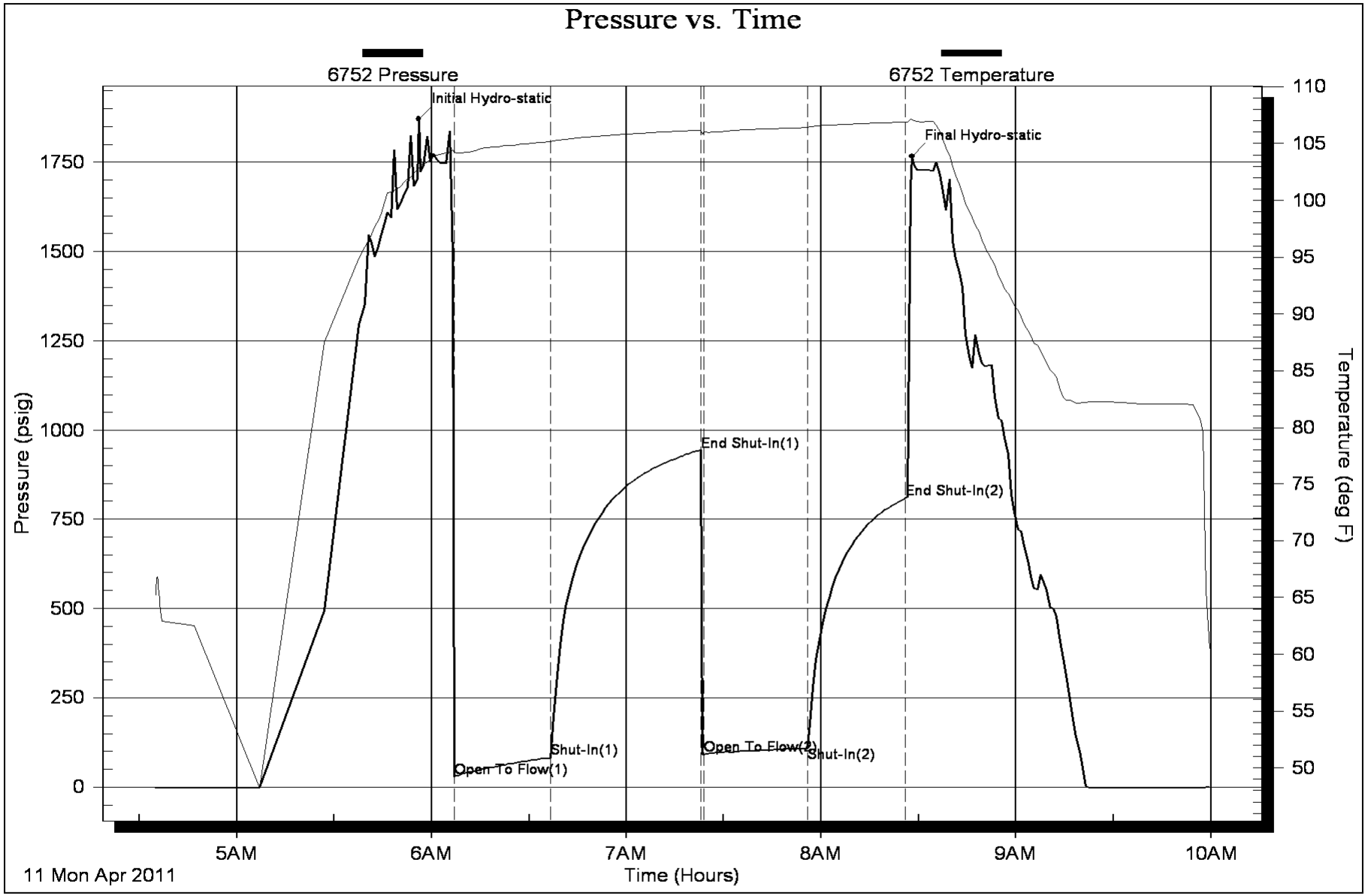
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	ocm-5%o95%m	1.158

Total Length: 180.00 ft Total Volume: 1.158 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6752 Pressure
6752 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
Time (Hours)
11 Mon Apr 2011
5AM
6AM
7AM
8AM
9AM
10AM
0
250
500
750
1000
1250
1500
1750
50
55
60
65
70
75
80
85
90
95
100
105
110