



KANSAS CORPORATION COMMISSION 1056424
OIL & GAS CONSERVATION DIVISION

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 Petersen
Purchaser: N/A

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 #:

3/27/2011	4/04/2011	04/04/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26125-00-00

Spot Description:
SW NE SW SW Sec. 27 Twp. 15 S. R. 19 East West
710 Feet from North / South Line of Section
860 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Ellis
Lease Name: Legleiter Well #: 5
Field Name: Wildcat
Producing Formation: None

Elevation: Ground: 2005 Kelly Bushing: 2010
Total Depth: 3645 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1225 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 1225
feet depth to: 0 w/ 450 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 18000 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:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanne Gantzer Date: 07/11/2011



1056424

Operator Name: Bach, Jason dba Bach Oil Production Lease Name: Legleiter Well #: 5
 Sec. 27 Twp. 15 S. R. 19 East West County: Ellis

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Rag	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface	12.25	8.625	20	1225	COM	450	3% CC/s% Gel

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: <input type="checkbox"/> Yes <input type="checkbox"/> No	
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 (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	Legleiter 5
Doc ID	1056424

Tops

Anhydrite	1220	+790
Base Anhydrite	1259	+751
Topeka	2967	-957
Heebner	3253	-1243
Toronto	3271	-1261
Lansing	3300	-1290
Base Kansas City	3544	-1534
Conglomerate	3600	-1590



PO BOX 31 Russell, KS 67665

PA 5511

INVOICE

Invoice Number: 126747

Invoice Date: Mar 30, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	Legleiter #5	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Mar 30, 2011	4/29/11

Quantity	Item	Description	Unit Price	Amount
450.00	MAT	Class A Common	16.25	7,312.50
8.00	MAT	Gel	21.25	170.00
16.00	MAT	Chloride	58.20	931.20
474.00	SER	Handling	2.25	1,066.50
30.00	SER	Mileage 474 sx @.11 per sk per mi	52.14	1,564.20
1.00	SER	Surface	1,925.00	1,925.00
60.00	SER	Pump Truck Mileage	7.00	420.00
60.00	SER	Light Vehicle Mileage	4.00	240.00
1.00	EQP	8.5/8 Baffle Plate	112.00	112.00
1.00	EQP	8.5/8 Rubber Plug	79.00	79.00
1.00	CEMENTER	Shane Poche		
1.00	OPER ASSIST	Tony Pfannenstiel		

Subtotal	13,820.40
Sales Tax	542.10
Total Invoice Amount	14,362.50
Payment/Credit Applied	
TOTAL	14,362.50

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

\$ 2764.00

ONLY IF PAID ON OR BEFORE

Apr 24, 2011

ALLIED CEMENTING CO., LLC. 034021

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

SERVICE POINT:
Russell

DATE <u>3/30/11</u>	SEC. <u>27</u>	TWP. <u>15</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>4:45p</u>	JOB FINISH <u>5:45p</u>
LEASE <u>Logleiter</u>	WELL# <u>5</u>	LOCATION <u>Schoenchoen 6w 1/4 N</u>			COUNTY <u>Ellis</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)		<u>windy</u>					

CONTRACTOR Martin Quillig R#16
 TYPE OF JOB Surface SB
 HOLE SIZE 12 1/4 T.D. 1226
 CASING SIZE 8 1/2 DEPTH 1228.21
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 21'
 CEMENT LEFT IN CSG. 21'
 PERFS. _____
 DISPLACEMENT 76, 88 661

OWNER _____
 CEMENT AMOUNT ORDERED 450 Con 32cc 2881

EQUIPMENT
 PUMP TRUCK CEMENTER Shane
 # 417 HELPER Tony
 BULK TRUCK
 # _____ DRIVER Todd
 BULK TRUCK
 # _____ DRIVER _____

COMMON	<u>450</u>	@ <u>16.25</u>	<u>7312.50</u>
POZMIX		@	
GEL	<u>8</u>	@ <u>21.25</u>	<u>170.00</u>
CHLORIDE	<u>16</u>	@ <u>58.20</u>	<u>931.20</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>474</u>	@ <u>2.25</u>	<u>1066.50</u>
MILEAGE	<u>14.16/2.1</u>		<u>1564.20</u>
TOTAL			<u>11044.40</u>

REMARKS:

Baffle Plate @ 1207.21
Run 28 sts + Landing St.
Est Circulation
Mixed 450 sts. Released Ply
Landing Ply @ 900 ft.
Cement Circulated!

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

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1925.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>60</u>	@ <u>7.00</u>	<u>420.00</u>
MANIFOLD		@	
		@	
	<u>LUN 60</u>	@ <u>4.00</u>	<u>240.00</u>
TOTAL			<u>2585.00</u>

PLUG & FLOAT EQUIPMENT

		@	
<u>8 1/2 Baffle Plate</u>		@	<u>112.00</u>
<u>Rubber Ply</u>		@	<u>71.00</u>
		@	
		@	

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

Thanks!



PO BOX 31 Russell, KS 67665

Ad 5/3/11

INVOICE

Invoice Number: 126823

Invoice Date: Apr 4, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

Bill To:

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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	Legleiter #5	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Russell	Apr 4, 2011	5/4/11

Quantity	Item	Description	Unit Price	Amount
99.00	MAT	Class A Common	16.25	1,608.75
66.00	MAT	Pozmix	8.50	561.00
6.00	MAT	Gel	21.25	127.50
41.00	MAT	Flo Seal	2.70	110.70
173.00	SER	Handling	2.25	389.25
20.00	SER	Mileage 173 sx @.11 per sk per mi	19.03	380.60
1.00	SER	Plug	1,250.00	1,250.00
40.00	SER	Pump Truck Mileage	7.00	280.00
40.00	SER	Light Vehicle Mileage	4.00	160.00
1.00	CEMENTER	Bill Leikam		
1.00	EQUIP OPER	Ron Bennett		
1.00	OPER ASSIST	Nick Williams		

Subtotal	4,867.80
Sales Tax	306.67
Total Invoice Amount	5,174.47
Payment/Credit Applied	
TOTAL	5,174.47

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

\$ 973.56

ONLY IF PAID ON OR BEFORE

Apr 29, 2011

ALLIED CEMENTING CO., LLC. 036905

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

SERVICE POINT: Russell

DATE <u>4-4-11</u>	SEC. <u>27</u>	TWP. <u>19</u>	RANGE	CALLED OUT	ON LOCATION	JOB START <u>7:00 AM</u>	JOB FINISH <u>10:00 AM</u>
LEASE <u>Legkiter</u>		WELL # <u>5</u>		LOCATION <u>Schoeder 6W</u>		COUNTY <u>Ellis</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR M. Fin #6

TYPE OF JOB plug

HOLE SIZE 7 7/8 T.D.

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED 165 cu 6 1/4" 4% 64 to F10

COMMON	<u>99</u>	@	<u>16.25</u>	<u>1608.75</u>
POZMIX	<u>66</u>	@	<u>8.50</u>	<u>561.00</u>
GEL	<u>6</u>	@	<u>21.25</u>	<u>127.50</u>
CHLORIDE		@		
ASC		@		
	<u>Flo Seal 4 1/2</u>	@	<u>2.70</u>	<u>110.70</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>173</u>	@	<u>2.25</u>	<u>389.25</u>
MILEAGE	<u>11 1/2 hr/mile</u>			<u>380.60</u>
TOTAL				<u>3177.80</u>

EQUIPMENT

PUMP TRUCK CEMENTER Bill

1109 HELPER Ron

BULK TRUCK

487 DRIVER Nick

BULK TRUCK

DRIVER

REMARKS:

1st plug c 1240 w 25 sh

2nd plug c 520 w 100 sh

3rd plug c 40 w 10 sh

Kathie 30 sh

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1250.00

EXTRA FOOTAGE @

MILEAGE 40 @ 7.00 280.00

MANIFOLD @

LVA 40 @ 4.00 160.00

TOTAL 1690.00

CHARGE TO: Bach Oil

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cement and balance to assist owner or

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: LEGLEITER #6

LOC.: 710' FSL & 860' FWL
SEC. 27-15-19W

ELLIS COUNTY, KANSAS
API: 15-051-26125-00-00

DRILLING CONTR.: MURFIN RIG #16
SPUD: 03-27-11 COMP: 04-04-11
MUD UP: 2800' TYPE MUD: CHEM.
DRILL TIME: 2900-RTD
RTD: 3645' LTD: 3643'
SAMPLES SAVED: 2900'-RTD
GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2010'
GL: 2005'
LOG MEASURED
FROM: KB

SURFACE CASING

8 5/8" surface csg.
Set @1225' KB.
Cem. w/450sx Common,
3% CC, 2% Gel.

PRODUCTION CASING

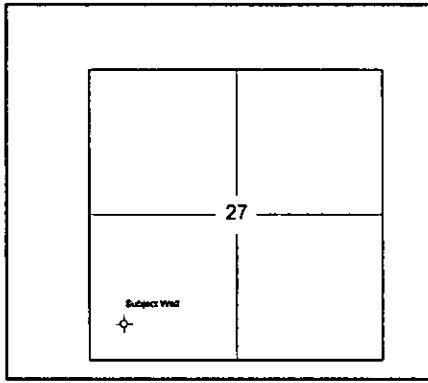
D & A

WELL LOG SURVEYS

RAG

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	1220	+790	-14
Base Stone Corral	1259	+751	-19
Topeka	2967	-957	-8
Heebner	3253	-1243	-5
Toronto	3271	-1261	-2
Lansing	3300	-1290	-8
Base Kansas City	3544	-1534	-2
Conglomerate	3600	-1590	-19



REFERENCE WELL:

Herman Kaiser
Randa #1
NE NE NE
33-15-19W
E1 2042 KB

DAILY REPORT

@7:00 A.M.

3-28-11 MIRU
3-29-11 SPUD
3-30-11 1055' Drilling
3-31-11 1250' Drilling
4-1-11 2480' Drilling
4-2-11 3225' Drilling
4-3-11 3365' Drilling
4-4-11 3580' Drilling

REMARKS AND RECOMMENDATIONS

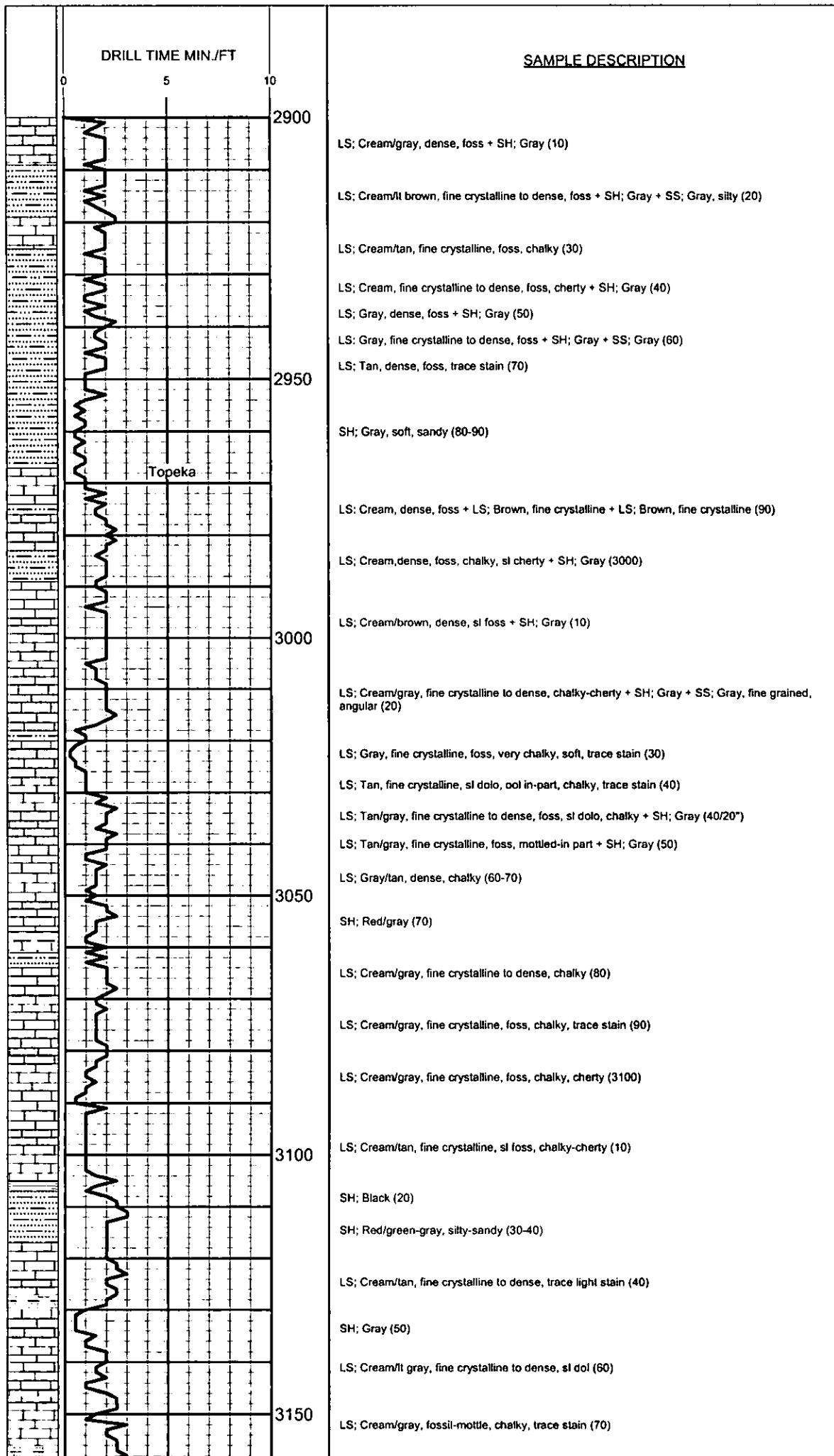
Due to the structural position and poor DST results the operator plugged and abandoned this well.

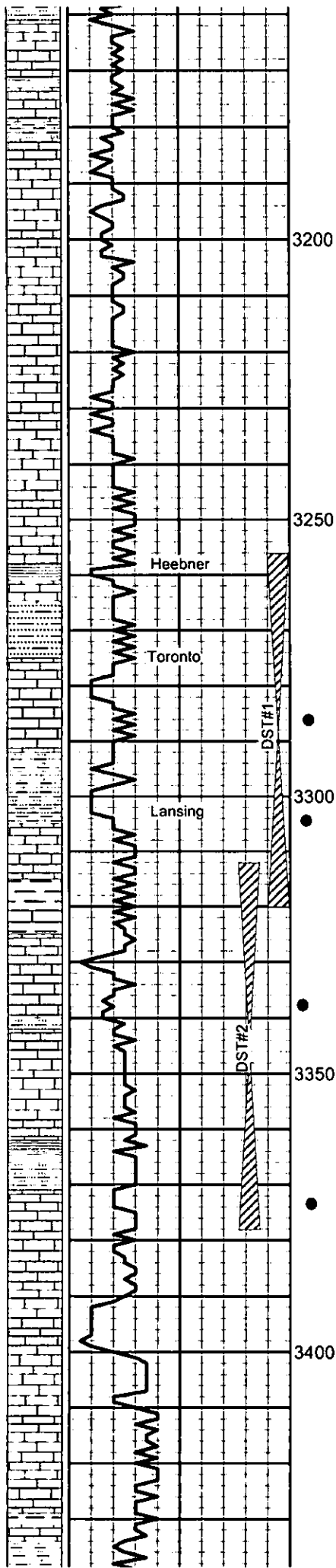
Respectfully submitted,

Robert J. Petersen

Robert J. Petersen

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SH: Red/gray (70)

LS: Cream/tan, fine crystalline, foss, sl chalky (80)

SH: Black (90)

SH: Red/gray (3200)

LS: Cream, fine crystalline, foss, chalky, lt stain, sfo, odor, ppt por (3200)

+LS: Brown, dense (04/20")

LS: Gray, fine crystalline to dense, dolo, chalky, ssfo, odor (04/40")

LS: Cream/tan, fine crystalline, foss, chalky, cherty, trace stain + SH; Gray (20)

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

LS: Cream/lt gray, fine crystalline to dense, foss, chalky, cherty, trace stain, fair vug por, lt brown stain (40)

LS: Cream, fine crystalline to dense, foss, chalky + SH; Green (50)

LS: Cream/lt gray, fine crystalline, ool, trace poor ppt por, lt stain (50/30")

LS: Cream/tan, fine crystalline to dense, foss, cherty, chalky, trace vug por, lt stain (60)

SH: Black (700)

LS: Lt gray, dense, sl foss (80)

SH: Red/green-gray, silty-andy (80)

LS: Cream, fine crystalline to dense, foss, trace stain, poor vug por, lt stain, vssfo (black)(90)

LS: Tan, fine crystalline, ool, dolomitic w/fair inter-ool por, sfo, odor (3300)

LS: Tan/cream, fine crystalline to dense, foss, decrease dolo (07)

SH: Gray, sandy (07/20")

LS: Cream/lt gray, fine crystalline to dense, dolo, foss, cherty (black-foss) w/ppt por. Ssfo, lt odor (10) Increase odor (20) light stain on dry

SH: Red/gray, silty + LS: Gray/cream, fine crystalline, foss, chalky (20-40")

SH: Red/green-gray, silty + LS: Gray, fine crystalline, foss, sl dolo, tr ppt por, lt stain (30)

LS: Cream, fine crystalline, oomoldicm sl dolo, chalky, soft (40)

LS: Cream, fine crystalline, oomoldic w/fair moldic por, lt stain, sfo, odor, light to dark stain on dry (45)

LS: Cream/graym fine crystalline, oolitic, mottled, chalky (45/20")

SH: Gray/marron (45/20")

LS: Cream/gray, fine crystalline, foss, chalky (45/40")

LS: Cream/gray, fine crystalline, foss, oomoldic/ool in-part, w/fair oomoldic por, stain, odor, ssfo (50)

LS: Cream/gray, fine crystalline, ool, sl dolo, cherty + SH; Gray (60)

LS: Cream/lt gray, fine crystalline, foss, chalky, lt stain (65)

LS: Cream, fine crystalline, oom, sl chalky, oom, w/trace intercrystalline por, sfo (brown), odor, gas bubbles, lt gray to brown stain on dry (65/40")

SH: Black (65/40")

SH: Red/gray (77)

LS: Cream/white/tan, fine crystalline, oolitic-granular w/trace poor inter-ool & moldic por, dark stain, odor, ssfo (77/20")

LS: Lt gray, fine crystalline, sl dolo w/scatt, fossil-cast por, ssfo (bleeding) odor (77/40")

LS: Cream/lt gray, fine crystalline, ool, chalky, trace stain (90)

LS: Cream, fine crystalline to dense, oomoldic, chalky, cherty (3400)

LS: Cream, fine crystalline, oomoldic w/trace dark stain, odor, ss tarry oil (10)

LS: Lt gray/cream, fine crystalline to dense, foss, frac por, ssfo, dark stain (20)

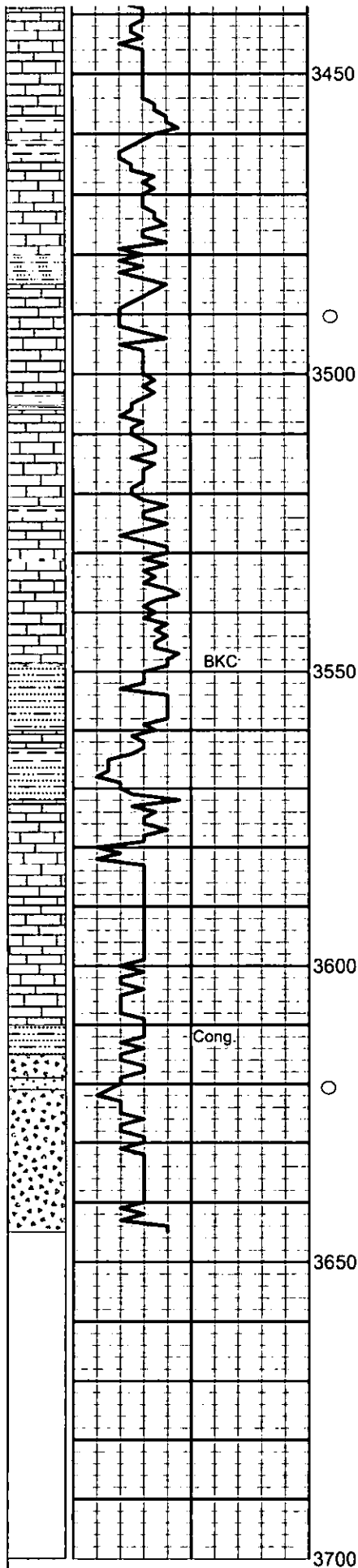
LS: Cream, fine crystalline, ool, chalky, sl cherty + SH; Dark gray/black (30)

LS: Cream, fine crystalline, chalky + SH; Maroon/gray (40)

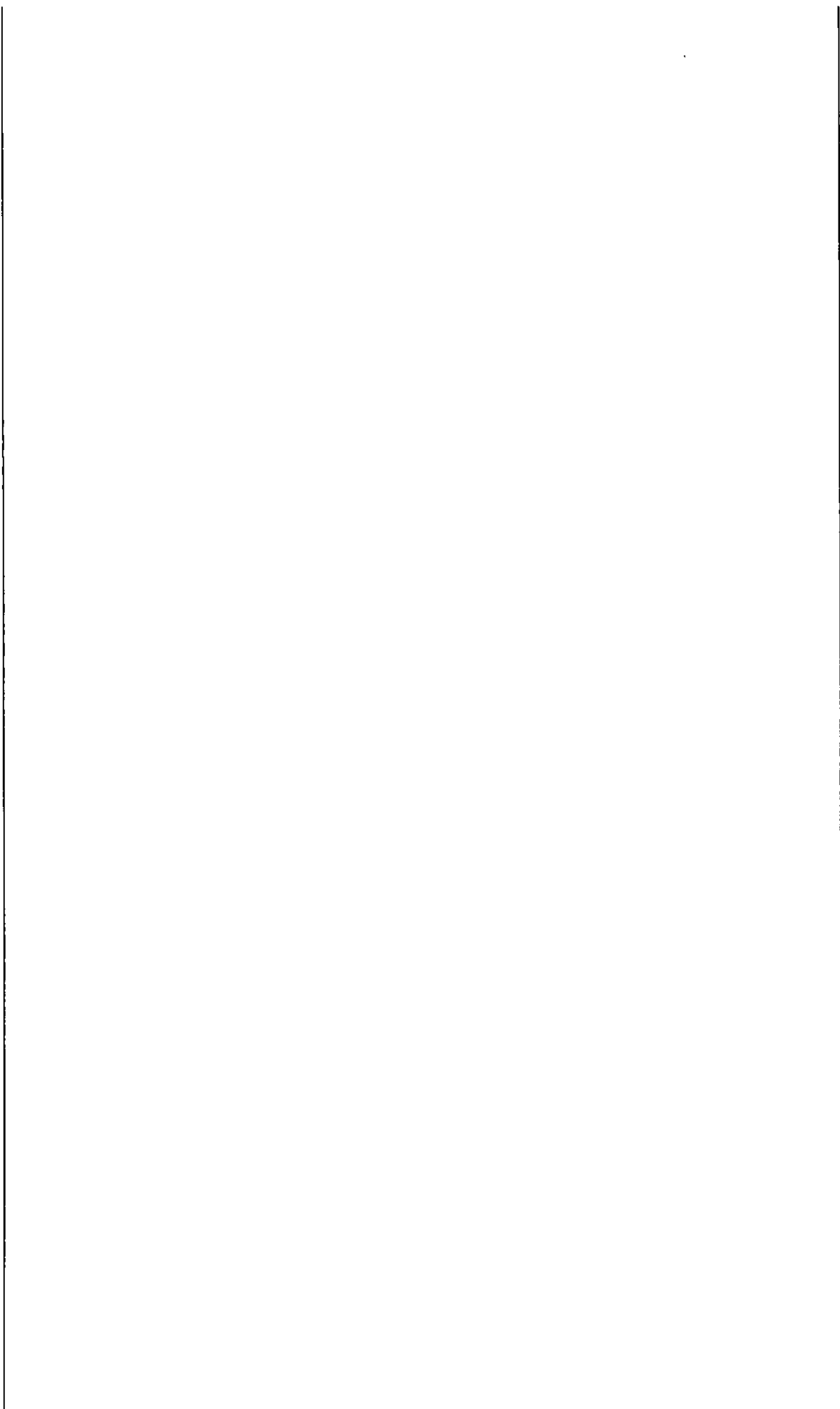
LS: Cream, fine crystalline, foss, sl dolomitic, chalky (50)

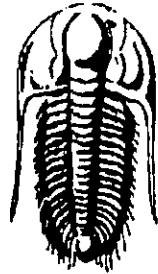
DST #1
3256-3320'
30-45-30-45"
IFP: Weak building to 1 1/2"
FFP: Weak steady surface blow
Recovered: 95' Water
60,000 ppm chlorides
SIP: 1022-982#
FP: 18-44/49-64#

DST #2
3312-3378'
30-45-30-45"
IFP: Weak building to 1"
FFP: Weak steady surface blow
Recovered:
35' Drilling Mud
20' Water
80,000 ppm chlorides
SIP: 454-436#
FP: 20-35/36-42#



3450 LS: Cream, fine crystalline, foss, trace frac por, li stain, vssfo, odor, trace dead flakes-tarry oil (60)
 SH: Red/gray (70)
 LS: Cream, fine crystalline to dense, ool, chalky (80)
 LS: Cream, fine crystalline, sl ool, trace poor ppt por, trace stain, vssfo whe crushed (90)
 SH: Dark gray (90)
 LS: cream/li gray, fine crystalline to desen, chalky, sl cherty, trace ppt por, vssfo when crushed (94)
 ○ LS: Cream/li gray, fine crystalline to dense, chalky, trace stain + SH; Dark gray (94/20")
 LS: Cream, fine crystalline, w/intercrystalline por, trace black stain (94/40"-3510)
 SH: Black (3510)
 3500 SH: Red/gray (20)
 LS: Cream/tan, fine crystalline, ool, chalky (20)
 LS: Cream/tan, fine crystalline, ool, sl chalky/cherty (30)
 SH: Gray (30)
 LS: Cream/tan, fine crystalline, chalky, cherty, trace stain, poor ppt por + Sh; Gray (40)
 SH: Black (50)
 SH: Gray, silty (50)
 3550 LS: Cream, fine crystalline, ool, cherty (60)
 SH: Red/gray, silty-sandy (70)
 LS: Cream, fine crystalline (70)
 SH: Red/gray, silty-sandy (80)
 LS: Cream, fine crystalline, ool + Chert; Orange, sharp (80)
 SH: Red/gray (90)
 LS: Cream/gray, dense, chalky (90)
 LS: Cream/li brown, fine crystalline, ool, chalky-cherty, trace stain + SH; Gray/maroon (3600)
 Chert; Gray/cream/gray, angular + LS; Gray, dense + SH; Red/gray, silty (10)
 3600 +LS; Cream, fine crystalline, foss, chalky-abundant Chert, trace stain + SH; Dark gray/gray, sandy (18)
 Cong. Chert; White/orange, angular, foss, li stain, vssfo(brown), no odro + LS; Li gray, dense, chalky-chalky soft (18/20")
 ○ +SH; Gray, silty-sandy +SS; Clear, subangular-subrounded, medium, well-cem to loose, few loose grains, sso, faint odor (18/40")
 SS; Clear, subangular-subrounded, medium, well-cem to loose, few loose grains, sso, faint odor (30)
 LS; Cream/li gray, fine crystalline to dense, foss, sl cherty + SH; Gray, trace SS; Clear, subrounded, coarse, well-cem, traces stain (40)
 Chert; White/gray, angular + Sand; Clear, coarse, subrounded, well-cem w/ssfo (45) slight increase Sand cluster, tight, sso (45/30")
 + SH; Pale green/black, trace reworked dolo (45/60")
 3650
 3700





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

P O Box 723
Alma Ne 68920

ATTN: Jason Bach

27-15-19-Ellis KS

Legleiter # 5

Start Date: 2011.04.02 @ 18:55:43

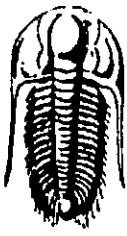
End Date: 2011.04.03 @ 00:57:13

Job Ticket #: 042410 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

Legleiter # 5

P O Box 723
Alma Ne 68920

27-15-19-Ellis KS

Job Ticket: 042410

DST#: 1

ATTN: Jason Bach

Test Start: 2011.04.02 @ 18:55:43

GENERAL INFORMATION:

Formation: **Toronto /A LKC**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 20:49:13

Time Test Ended: 00:57:13

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **38**

Interval: **3256.00 ft (KB) To 3320.00 ft (KB) (TVD)**

Reference Elevations: **2010.00 ft (KB)**

Total Depth: **3320.00 ft (KB) (TVD)**

2005.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **5.00 ft**

Serial #: 8354

Inside

Press@RunDepth: **64.06 psig @ 3260.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.04.02** End Date:

2011.04.03

Last Calib.: **2011.04.03**

Start Time: **19:05:43** End Time:

00:57:13

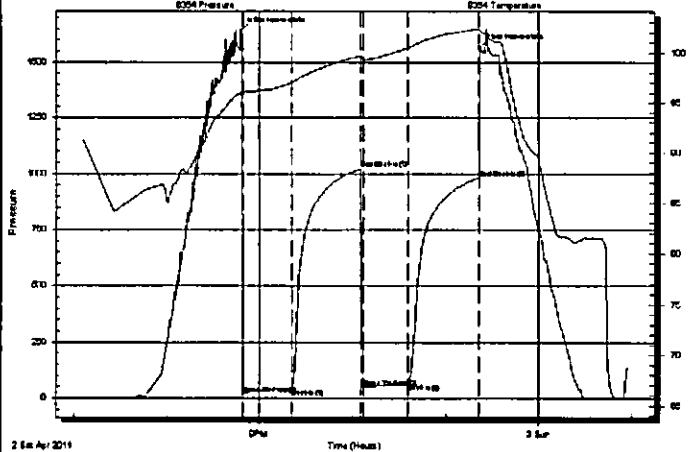
Time On Btm: **2011.04.02 @ 20:48:13**

Time Off Btm: **2011.04.02 @ 23:22:13**

TEST COMMENT: IF-Weak building to 1 1/2"

**FF-Weak steady surface blow
Times-30-45-30-45**

Pressure vs Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1640.57	96.06	Initial Hydro-static
1	18.28	95.61	Open To Flow (1)
33	44.82	97.07	Shut-In(1)
77	1022.17	99.71	End Shut-In(1)
79	49.92	99.41	Open To Flow (2)
108	64.06	100.50	Shut-In(2)
153	982.63	102.39	End Shut-In(2)
154	1565.11	102.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	Wtr	1.06

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

Legleiter # 5

P O Box 723
Alma Ne 68920

27-15-19-Ellis KS

Job Ticket: 042410

DST#: 1

ATTN: Jason Bach

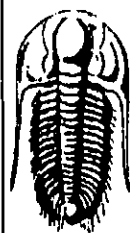
Test Start: 2011.04.02 @ 18:55:43

Tool Information

Drill Pipe:	Length: 3203.00 ft	Diameter: 3.80 inches	Volume: 44.93 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: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 45.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3256.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	92.00 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			3229.00	
Shut In Tool	5.00			3234.00	
Hydraulic tool	5.00			3239.00	
Jars	5.00			3244.00	
Safety Joint	3.00			3247.00	
Packer	5.00			3252.00	28.00 Bottom Of Top Packer
Packer	4.00			3256.00	
Stubb	1.00			3257.00	
Perforations	2.00			3259.00	
Change Over Sub	1.00			3260.00	
Recorder	0.00	8354	Inside	3260.00	
Recorder	0.00	8520	Outside	3260.00	
Drill Pipe	31.00			3291.00	
Change Over Sub	1.00			3292.00	
Perforations	25.00			3317.00	
Bullnose	3.00			3320.00	64.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

Legleiter # 5

P O Box 723
Alma Ne 68920

27-15-19-Ellis KS

Job Ticket: 042410

DST#: 1

ATTN: Jason Bach

Test Start: 2011.04.02 @ 18:55:43

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:

60000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	Wtr	1.059

Total Length: 95.00 ft Total Volume: 1.059 bbl

Num Fluid Samples: 0

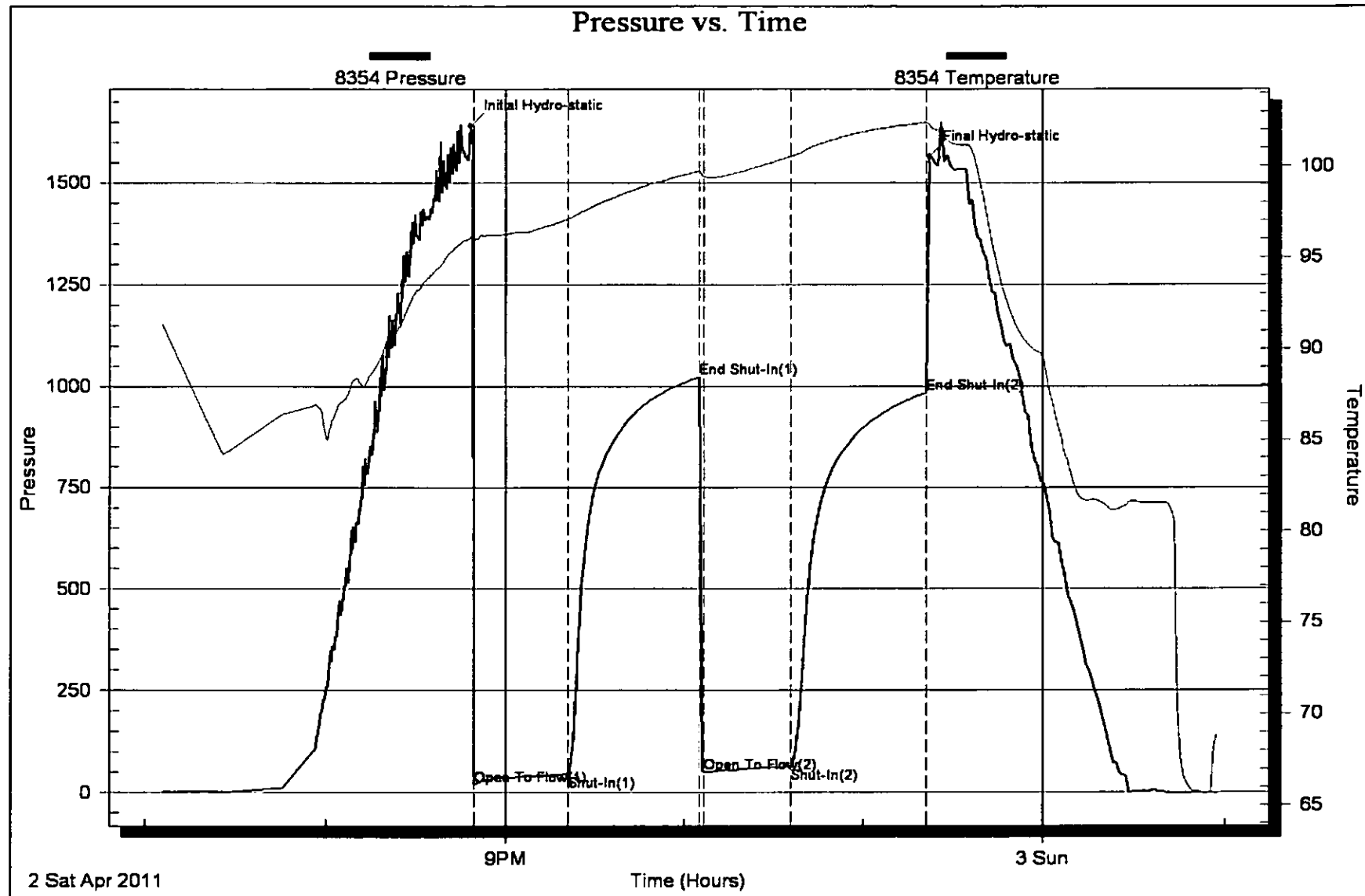
Num Gas Bombs: 0

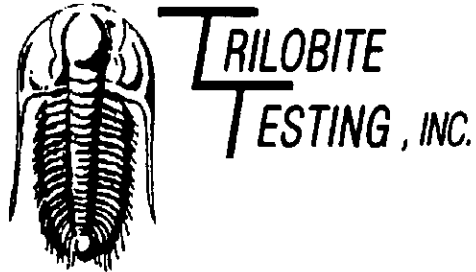
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .13 @ 70 = 60000 ppm





DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

P O Box 723
Alma Ne 68920

ATTN: Jason Bach

27-15-19-Ellis KS

Legleiter # 5

Start Date: 2011.04.03 @ 10:30:06

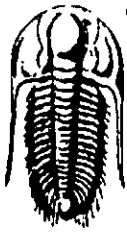
End Date: 2011.04.03 @ 16:30:06

Job Ticket #: 042411 DST #: 2

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**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil Production

Legleiter # 5

P O Box 723
Alma Ne 68920

27-15-19-ELLIS KS

ATTN: Jason Bach

Job Ticket: 042411

DST#: 2

Test Start: 2011.04.03 @ 10:30:06

GENERAL INFORMATION:

Formation: **B-D-F LKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:20:26
 Time Test Ended: 16:30:06

Test Type: Conventional Bottom Hole
 Tester: Dan Bangle
 Unit No: 38

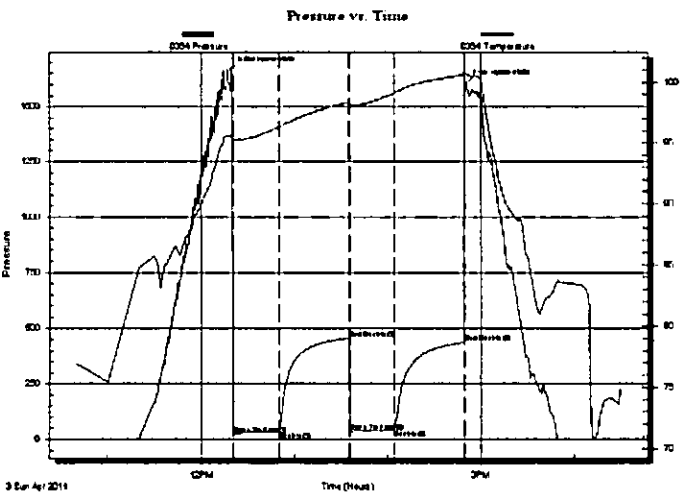
Interval: **3312.00 ft (KB) To 3378.00 ft (KB) (TVD)**
 Total Depth: 3378.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2010.00 ft (KB)
 2005.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: **8354** Inside
 Press@RunDepth: 42.73 psig @ 3316.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.04.03 End Date: 2011.04.03 Last Calib.: 2011.04.03
 Start Time: 10:40:06 End Time: 16:30:06 Time On Btm: 2011.04.03 @ 12:19:36
 Time Off Btm: 2011.04.03 @ 14:50:36

TEST COMMENT: IF-Weak building to 1"

FF-Weak steady surface blow
 Times-30-45-30-45



PRESSURE SUMMARY

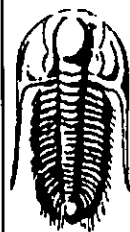
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.83	95.58	Initial Hydro-static
1	20.59	94.82	Open To Flow (1)
31	35.65	96.30	Shut-In(1)
76	454.75	98.36	End Shut-In(1)
77	36.79	98.23	Open To Flow (2)
105	42.73	99.07	Shut-In(2)
150	436.65	100.60	End Shut-In(2)
151	1605.35	100.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Wtr	0.10
35.00	Drig Mud	0.40

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

Legleiter # 5

P O Box 723
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27-15-19-Ellis KS

Job Ticket: 042411

DST#: 2

ATTN: Jason Bach

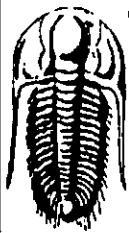
Test Start: 2011.04.03 @ 10:30:06

Tool Information

Drill Pipe:	Length: 3266.00 ft	Diameter: 3.80 inches	Volume: 45.81 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: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 45.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3312.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	94.00 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			3285.00	
Shut In Tool	5.00			3290.00	
Hydraulic tool	5.00			3295.00	
Jars	5.00			3300.00	
Safety Joint	3.00			3303.00	
Packer	5.00			3308.00	28.00 Bottom Of Top Packer
Packer	4.00			3312.00	
Stubb	1.00			3313.00	
Perforations	2.00			3315.00	
Change Over Sub	1.00			3316.00	
Recorder	0.00	8354	Inside	3316.00	
Recorder	0.00	8520	Outside	3316.00	
Drill Pipe	31.00			3347.00	
Change Over Sub	1.00			3348.00	
Perforations	27.00			3375.00	
Bullnose	3.00			3378.00	66.00 Bottom Packers & Anchor
Total Tool Length:	94.00				



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Job Ticket: 042411

DST#: 2

ATTN: Jason Bach

Test Start: 2011.04.03 @ 10:30:06

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:

80000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.08 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Wtr	0.098
35.00	Drig Mud	0.400

Total Length: 55.00 ft Total Volume: 0.498 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .1 @ 70 = 80000ppm

