



KANSAS CORPORATION COMMISSION 1045081
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 # 33493
Name: American Eagle Drilling LLC
Wellsite Geologist: Bob Peterson
Purchaser: Coffeyville Resources

Designate Type of Completion:

- New Well Re-Entry Workover
 Oil WSW SWD SLOW
 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 #:

06/24/2010	07/03/2010	08/11/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15-147-20626-00-00

Spot Description:

SW NE NE NE Sec. 35 Twp. 1 S. R. 19 East West

554 Feet from North / South Line of Section

474 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Phillips

Lease Name: WAYNE JACKSON Well #: 1

Field Name:

Producing Formation: Lansing Kansas City

Elevation: Ground: 2194 Kelly Bushing: 2201

Total Depth: 3670 Plug Back Total Depth: 3657

Amount of Surface Pipe Set and Cemented at: 217 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: Feet

If Alternate II completion, cement circulated from: 3670

feet depth to: 0 w/ 600 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 21000 ppm Fluid volume: 1000 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 #:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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: Deanna Garrison Date: 10/20/2010



1045081

Operator Name: Bach, Jason dba Bach Oil Production Lease Name: WAYNE JACKSON Well #: 1
 Sec. 35 Twp. 1 S. R. 19 East West County: Phillips

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)

Log Formation (Top), Depth and Datum Sample

Samples Sent to Geological Survey Yes No

Name Top Datum
 Attached Attached Attached

Cores Taken Yes No

Electric Log Run Yes No

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

List All E. Logs Run:

Attached

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	217	COM	150	3% CC/2% Gel
Production	8.875	5.50	14	3624	AMD	600	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	3345-3600	COM	150	
<input type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> Plug Off Zone	0-750	120 COM/80 POZ	200	4% Gel

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
4	"D" @ 3450' to 3454'	600 gal 15% MCA	
4	"I" @ 3546' to 3554'	600 gal 15% MCA	
4	"I" @ 3546' to 3554'	750 gal 20% NEFE	

TUBING RECORD:	Size: <u>2 3/8</u>	Set At: <u>3624</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. 08/25/2010 Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls. <u>15</u>	Gas Mcf	Water Bbls. <u>10</u>	Gas-Oil Ratio	Gravity <u>36</u>
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>LKC</u>
--	--	------------------------------------

Gpsn	BDP2! !X f mDpn qrfjpo
Pqf sbups	Cbdi -!Kbt polecb!Cbdi !PjrtQpevdjpo
X f mObn f	X BZOF!KBDLTPO!2
Epd!E	2156192

BntF rhdugd!MphT !Svo

[REDACTED]
Evbrhbevdjpo
Dpn qf ot buf e!Ef ot juz
Njdsp
Tpojd

Gpsn	BDP2! !X f mDpn qrfujpo
Pqf sbups	Cbdi -!Kbt polecb!Cbdi !PjrtQpevdijpo
X f mObn f	X BZOF!KBDL TPOI2
Epd!JE	2156192

Upqt

Obn f	Upq	Ebn
Cbt f !Gu!! bzt	724	, 2699
Tupof !Dpsbm	28: :	, 513
Cbt f !Tupof !Dpsbm	2934	, 48:
Upqf l b	4255	: 53
l f f cof s	4466	.2265
Upspou	4494	.2293
Mbot joh	4511	.22: :
CLD	4728	.2527



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 123400

Invoice Date: Jul 3, 2010

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	Wayne/Jackson #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Russell	Jul 3, 2010	8/2/10

Quantity	Item	Description	Unit Price	Amount
600.00	MAT	AMD	22.95	13,770.00
600.00	SER	Handling	2.25	1,350.00
50.00	SER	Mileage 600 sx @ .10 per sk per mi	60.00	3,000.00
1.00	SER	Production String	1,957.00	1,957.00
50.00	SER	Pump Truck Mileage	7.00	350.00
12.00	EQP	5.5 Centralizes	35.00	420.00
4.00	EQP	5.5 Basket	161.00	644.00
1.00	EQP	5.5 Afu Float Shoe	214.00	214.00
1.00	EQP	5.5 Latch Down	164.00	164.00

<p>ALL PRICES ARE NET. PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF</p> <p>\$ 546.75</p> <p>ONLY IF PAID ON OR BEFORE Jul 28, 2010</p>	Subtotal	21,869.00
	Sales Tax	1,034.42
	Total Invoice Amount	22,903.42
	Payment/Credit Applied	
	TOTAL	22,903.42

ALLIED CEMENTING CO.. LLC.

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

SERVICE POINT:

Russell

DATE <u>7-3-10</u>	SEC. <u>35</u>	TWP. <u>1</u>	RANGE <u>11</u>	CALLED OUT	ON LOCATION	JOB START <u>6:00 a.m.</u>	JOB FINISH <u>6:30 a.m.</u>
LEASE <u>Wayne/Season</u>	WELL # <u>1</u>	LOCATION <u>Phillipsburg 10.2 5w 2u</u>	COUNTY <u>Phillips</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one) <u>NEW</u>			<u>WINTO</u>				

CONTRACTOR American Engic #2
 TYPE OF JOB Production String
 HOLE SIZE 7 7/8 I.D. 36.70
 CASING SIZE 5 1/2 14.7 DEPTH 3678
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 1463
 CEMENT LEFT IN CSG. 1463
 PERFS. _____
 DISPLACEMENT 89 1/4 BBL

OWNER _____
 CEMENT AMOUNT ORDERED 600 AMD

EQUIPMENT
 PUMP TRUCK CEMENTER Chris
 # 398 HELPER Paul
 BULK TRUCK # 410 DRIVER Ken
 BULK TRUCK # 344 DRIVER Alvin

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
<u>AMD</u>	<u>600</u>	@ <u>22.95</u>	<u>13,770.00</u>
HANDLING	<u>600</u>	@ <u>2.92</u>	<u>1,752.00</u>
MILEAGE	<u>10.5 h/r</u>		<u>300.00</u>
TOTAL			<u>15,822.00</u>

REMARKS:

5 1/2 5 1/2 3678 Insert size 3663
5 1/2 Circulation. Reel hole 37 1/2" Mix
4200 lbs @ 14.7 ppg. Mix 1500 lbs @ 14.8 ppg.
Clear line Displace Plug. Plug landed @
1500 lbs. Release Pressure DRP
Cement DID NOT CIRCULATE

Thanks!

CHARGE TO: Back O.I.
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1952.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>50</u>	@ <u>7.00</u>	<u>350.00</u>
MANIFOLD	@		
TOTAL			<u>2302.00</u>

PLUG & FLOAT EQUIPMENT

<u>5 1/2 LARSON</u>			
<u>12 Centralizers</u>	@ <u>25.00</u>		<u>420.00</u>
<u>4 Baskets</u>	@ <u>161.00</u>		<u>644.00</u>
<u>AFU Float Shoe</u>	@		<u>214.00</u>
<u>Catch Manin</u>	@		<u>164.00</u>

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



CEMENTING & ACIDIZING SERVICES
 PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 123253

Invoice Date: Jun 24, 2010

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	Wayne Jackson #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Jun 24, 2010	7/24/10

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	13.50	2,025.00
3.00	MAT	Gel	20.25	60.75
5.00	MAT	Chloride	51.50	257.50
150.00	SER	Handling	2.25	337.50
50.00	SER	Mileage 150 sx @ .10 per sk per mi	15.00	750.00
1.00	SER	Surface	991.00	991.00
50.00	SER	Pump Truck Mileage	7.00	350.00

<p>ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF</p> <p>\$ 11,929.94</p> <p>ONLY IF PAID ON OR BEFORE Jul 19, 2010</p>	Subtotal	4,771.75
	Sales Tax	135.91
	Total Invoice Amount	4,907.66
	Payment/Credit Applied	
	TOTAL	4,907.66

ALLIED CEMENTING CO. LLC. 041616

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

SERVICE POINT:
Russell KS

DATE <u>6-24-10</u>	SEC. <u>35</u>	TWP. <u>1</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>9:45am</u>	JOB FINISH <u>10:15am</u>
Wayne Jackson LEASE		WELL #/		LOCATION <u>Phillipsburg 10 North to Hunter Rd</u>		COUNTY <u>Phillips</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>5 West 2 North West into.</u>			

CONTRACTOR American Eagle Drilling Rig #2 OWNER _____

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 221' CEMENT AMOUNT ORDERED 150 cum 3% cc 2% Gel

CASING SIZE 8 5/8 DEPTH 221'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 13.11 BBL

EQUIPMENT _____

PUMP TRUCK CEMENTER John Roberts

417 HELPER Heath

BULK TRUCK _____

410 DRIVER Ran

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

Est. Circulation

Mix 150 sk cement

Displace w/ 13 BBL H₂O.

Cement Did Circulate!

Thank You!

CHARGE TO: Bach Oil Production

STREET _____

CITY _____ STATE _____ ZIP _____

To Allied Cementing Co., LLC.

CEMENT AMOUNT ORDERED 150 cum 3% cc 2% Gel

COMMON 150 @ 1.50 225.00

POZMIX _____ @ _____

GEL 3 @ 20.25 60.75

CHLORIDE 5 @ 51.50 257.50

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING 150 @ 2.25 337.50

MILEAGE 10/21/10 750.00

TOTAL 3430.75

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 99.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 50 @ 7.00 350.00

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL 1841.00

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____



PO BOX 31 Russell, KS 67665

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

INVOICE

Invoice Number: 123856
 Invoice Date: Aug 3, 2010
 Page: 1

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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Bach	Wayne Jackson #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-05	Oakley	Aug 3, 2010	9/2/10

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	13.50	2,025.00
150.00	SER	Handling	2.25	337.50
50.00	SER	Mileage 150 sx @ .10 per sk per mi	15.00	750.00
1.00	SER	Squeeze	1,957.00	1,957.00
50.00	SER	Pump Truck Mileage	7.00	350.00

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

\$ 1354.88

ONLY IF PAID ON OR BEFORE
 Aug 28, 2010

Subtotal	5,419.50
Sales Tax	137.70
Total Invoice Amount	5,557.20
Payment/Credit Applied	
TOTAL	5,557.20

ALLIED CEMENTING CO. LLC.

038829

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Dakota

DATE: <i>8/3/10</i>	SEC: <i>31</i>	TWP: <i>1</i>	RANGE: <i>19</i>	CALLED OUT	ON LOCATION	JOB START: <i>11-30A</i>	JOB FINISH: <i>12-30A</i>
LEASE: <i>Wayne Jackson</i>	WELL #: <i>#1</i>	LOCATION: <i>Phillipsburg W 70 Hunter Rd</i>			COUNTY: <i>Phillips</i>	STATE: <i>Ks</i>	
OLD OR NEW (Circle one) <i>NEW</i>				<i>5220 Winto</i>			

CONTRACTOR: <i>Back O.I.</i>	OWNER: <i>Same</i>
TYPE OF JOB: <i>Square</i>	
HOLE SIZE _____ T.D. _____	CEMENT _____
CASING SIZE <i>5 1/2</i> _____ DEPTH _____	AMOUNT ORDERED: <i>1500</i>
TUBING SIZE <i>2 3/8</i> _____ DEPTH _____	<i>Fl 160 inside</i>
DRILL PIPE _____ DEPTH _____	
TOOL: <i>Patrol</i> _____ DEPTH <i>3348</i>	
PRES. MAX _____ MINIMUM _____	COMMON: <i>150 @ 13.00 = 2025.00</i>
MEAS. LINE _____ SHOE JOINT _____	POZMIX _____ @ _____
CEMENT LEFT IN CSG. _____	GEL _____ @ _____
PERFS. <i>3450</i>	CHLORIDE _____ @ _____
DISPLACEMENT _____	ASC _____ @ _____

EQUIPMENT

PUMP TRUCK	CEMENTER	<i>Alan</i>
# <i>422</i>	HELPER	<i>Wayne</i>
BULK TRUCK		
# <i>347</i>	DRIVER	<i>Terry</i>
BULK TRUCK		
# _____	DRIVER	

REMARKS:

*Two (4) 80 bbl. lead inside to 500 shut in
Take out down to 380 MC 700 PSE. Mix
150 5/8" core square to 1500 PSE. Balance
Reverse Clean.*

*Thank you
Alan Wayne, Terry*

CHARGE TO: *Back O.I. Production*

STREET _____

CITY _____ STATE _____ ZIP _____

HANDLING: <i>100 @ 2.25 = 225.00</i>	
MILEAGE: <i>10 @ \$/mile = 100.00</i>	
	<i>337.00</i>
	<i>250.00</i>
	TOTAL: <i>3112.00</i>

SERVICE

DEPTH OF JOB: <i>3348'</i>	
PUMP TRUCK CHARGE: _____	<i>1957.00</i>
EXTRA FOOTAGE: _____ @ _____	
MILEAGE: <i>50 @ 7.00 = 350.00</i>	
MANIFOLD: _____ @ _____	
	TOTAL: <i>2307.00</i>

PLUG & FLOAT EQUIPMENT

_____ @ _____
_____ @ _____
_____ @ _____

To Allied Cementing Co., LLC.



PO BOX 31 Russell, KS 67665

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

INVOICE

Invoice Number: 123736

Invoice Date: Jul 27, 2010

Page: 1

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

Customer ID Bach	Well Name# or Customer P.O. Wayne Jackson #1	Payment Terms Net 30 Days	
Job Location KS2-09	Camp Location Oakley	Service Date Jul 27, 2010	Due Date 8/26/10

Quantity	Item	Description	Unit Price	Amount
120.00	MAT	Class A Common		
80.00	MAT	Pozmix	13.50	1,620.00
7.00	MAT	Gel	7.55	604.00
207.00	SER	Handling	20.25	141.75
50.00	SER	Mileage 207 sx @ .10 per sk per mi	2.25	465.75
1.00	SER	Backside	20.70	1,035.00
50.00	SER	Pump Truck Mileage	991.00	991.00
			7.00	350.00

Subtotal		5,207.50
Sales Tax		160.87
Total Invoice Amount		5,368.37
Payment/Credit Applied		
TOTAL		5,368.37

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

5/30/10

ONLY IF PAID ON OR BEFORE
Aug 21, 2010

ALLIED CEMENTING CO.. LLC. 035095A

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
OAKLEY

DATE <u>7-22-10</u>	SEC. <u>35</u>	TWP. <u>15</u>	RANGE <u>19W</u>	CALLED OUT	ON LOCATION <u>11:00 AM</u>	JOB START <u>11:30 AM</u>	JOB FINISH <u>12:00 PM</u>
LEASEE <u>WAYNE JACKSON</u>				WELL # <u>1</u>	LOCATION <u>PHILLIPSBURG 12N-5W-2N-W</u>	COUNTY <u>PHILLIPS</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)				ENTO			

CONTRACTOR <u>CO TOOLS</u>	OWNER <u>JAMC</u>
TYPE OF JOB <u>BACKSIDE</u>	CEMENT
HOLE SIZE _____ T.D. _____	AMOUNT ORDERED <u>200 SKS 60/40 42GEL</u>
CASING SIZE <u>5 1/2"</u> DEPTH _____	
TUBING SIZE _____ DEPTH _____	
DRILL PIPE _____ DEPTH _____	
TOOL _____ DEPTH _____	
PRES. MAX _____ MINIMUM _____	COMMON <u>120 SKS @ 13.50</u> <u>1120</u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX <u>80 TSKS @ 7.50</u> <u>604</u>
CEMENT LEFT IN CSG. _____	GEL <u>7 SKS @ 20.25</u> <u>141.75</u>
PERFS. _____	CHLORIDE _____ @ _____
DISPLACEMENT _____	ASC _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER <u>TERRY</u>
<u>422</u> HELPER <u>WAYNE</u>
BULK TRUCK
<u>377</u> DRIVER <u>TERRY</u>
BULK TRUCK
_____ DRIVER _____

REMARKS:
HOOK ON BACKSIDE MIX 200 SKS
60/40 42 GEL. MAX PRESSURE
150 PSI. SHUT IN AT 50 PSI.

HANDLING <u>207 SKS @ 2.25</u>	<u>465.75</u>
MILEAGE <u>10 d PER SK / mile</u>	<u>1035.00</u>
TOTAL	<u>3866.50</u>

THANK YOU

CHARGE TO: Bach Oil Production

STREET _____

CITY _____ STATE _____ ZIP _____

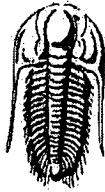
SERVICE

DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	<u>991.00</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>SOME @ 7.50</u>	<u>350.00</u>
MANIFOLD _____ @ _____	
TOTAL	<u>1341.00</u>

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

PLUG & FLOAT EQUIPMENT

_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

P.O. Box 723
Alma Ne.
68920

ATTN: Bob Peterson

Sec 35 Twp 1 Rge 19

Wayne Jackson #1

Start Date: 2010.06.30 @ 10:10:00

End Date: 2010.06.30 @ 16:09:30

Job Ticket #: 38297 DST #: 1

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

Bach Oil

Wayne Jackson #1

Sec 35 Twp 1 Rge 19

DST # 1

Tor/LKC

2010.06.30



TRIBOLITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil
 P.O. Box 723
 Alma No.
 68920
 ATTN: Bob Peterson

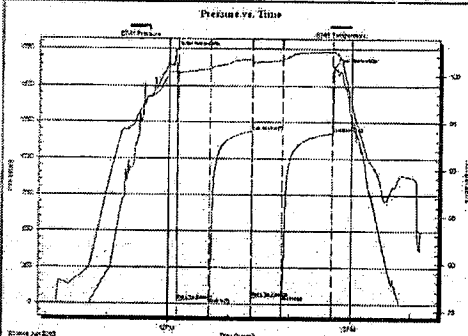
Wayne Jackson #1
 Sec 35 Twp 1 Rge 19
 Job Ticket: 38297 DST#: 1
 Test Start: 2010.06.30 @ 10:10:00

GENERAL INFORMATION:

Formation: Tor/LKC
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 12:08:30
 Time Test Ended: 16:09:30
 Interval: 3346.00 ft (KB) To 3422.00 ft (KB) (TVD)
 Total Depth: 3422.00 ft (KB) (TVD)
 Hole Diameter: 7.88 Inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Chuck Kreutzer Jr.
 Unit No: 36
 Reference Elevations: 2201.00 ft (KB)
 2194.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6741 Inside
 Press@RunDepth: 59.33 psig @ 3351.00 ft (KB)
 Start Date: 2010.06.30 End Date: 2010.06.30
 Start Time: 10:10:01 End Time: 16:09:30
 Capacity: 8000.00 psig
 Last Calib.: 2010.06.30
 Time On Btm: 2010.06.30 @ 12:08:00
 Time Off Btm: 2010.06.30 @ 14:42:30

TEST COMMENT: IF: Weak blow, built to 1 in. over 30 mins.
 IS: No blow back over 45 mins.
 FF: Weak surface blow over 30 mins.
 FST: No blow back over 45 mins.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1733.97	100.38	Initial Hydro-static
3	21.54	99.78	Open To Flow (1)
35	40.90	100.66	Shut-In(1)
77	1190.61	101.68	End Shut-In(1)
77	47.60	101.06	Open To Flow (2)
106	59.33	101.58	Shut-In(2)
155	1177.88	102.50	End Shut-In(2)
157	1627.51	102.48	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (Lit)
90.00	mud w/ oil specs	1.26

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Back Oil
P.O. Box 723
Alma, Mo.
68920
ATTN: Bob Peterson

Wayne Jackson #1
Sec 35 Twp 1 Rge 19
Job Ticket: 38297 DST#: 1
Test Start: 2010.06.30 @ 10:10:00

Tool Information

Drill Pipe:	Length: 3340.00 ft	Diameter: 3.80 inches	Volume: 46.85 bbl	Tool Weight: 1800.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 46.85 bbl	Tool Chased 5.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3346.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	104.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3323.00	
Hydraulic tool	5.00			3328.00	
Jars	5.00			3333.00	
Safety Joint	3.00			3336.00	
Packer	5.00			3341.00	28.00 Bottom Of Top Packer
Packer	5.00			3346.00	
Stubb	1.00			3347.00	
Perforations	3.00			3350.00	
Change Over Sub	1.00			3351.00	
Recorder	0.00	6752	Inside	3351.00	
Recorder	0.00	6741	Inside	3351.00	
Blank Spacing	62.00			3413.00	
Change Over Sub	1.00			3414.00	
Perforations	5.00			3419.00	
Bullnose	3.00			3422.00	76.00 Bottom Packers & Anchor

Total Tool Length: 104.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Batch Oil

Wayne Jackson #1

P.O. Box 723

Sec 35 Twp 1 Rge 19

Alma No.

Job Ticket: 38297

DST#: 1

68920

ATTN: Bob Peterson

Test Start: 2010.06.30 @ 10:10:00

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	mud with oil specs	1.262

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

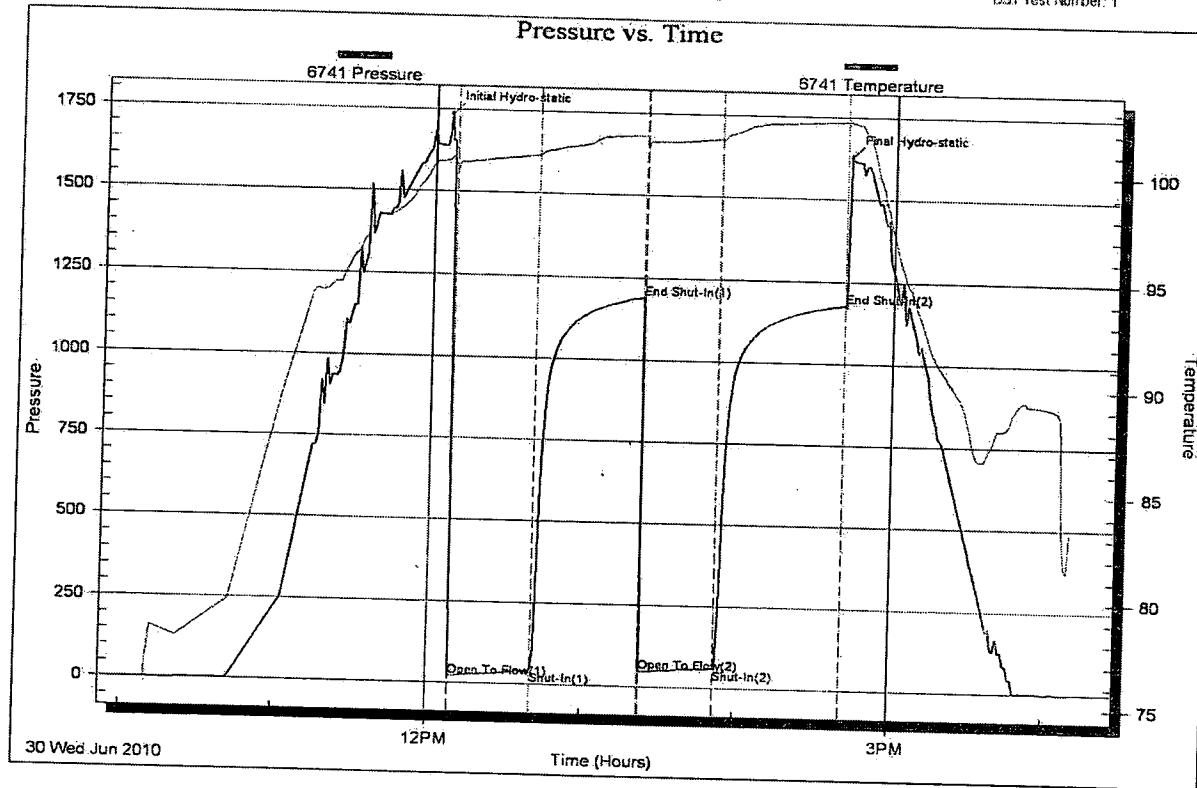
Recovery Comments:

Serial #: 6741

Inside Bach Oil

Sec 35 Tw p 1 Page 19

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

P.O. Box 723
Alma Ne.
68920

ATTN: Bob Peterson

Sec 35 Twp 1 Rge 19

Wayne Jackson #1

Start Date: 2010.07.01 @ 03:50:00

End Date: 2010.07.01 @ 10:22:00

Job Ticket #: 38298 DST #: 2

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

Printed: 2010.07.13 @ 09:28:35 Page 1

Bach Oil

Wayne Jackson #1

Sec 35 Twp 1 Rge 19

DST # 2

LKC-BJ-FG

2010.07.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

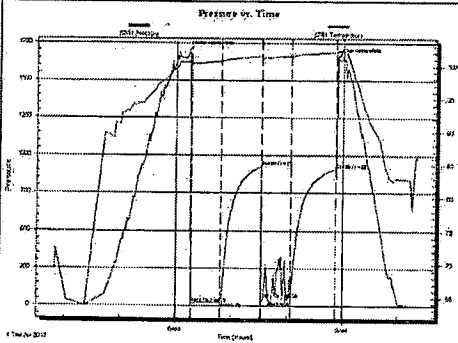
Bach Oil Wayne Jackson #1
 P.O. Box 723 Sec 36 Twp 1 Rge 19
 Alma Ne. Job Ticket: 38298 DST#: 2
 68920 Test Start: 2010.07.01 @ 03:50:00
 ATTN: Bob Peterson

GENERAL INFORMATION:

Formation: LKC-B,D- F,G
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:16:30
 Time Test Ended: 10:22:00
 Interval: 3415.00 ft (KB) To 3508.00 ft (KB) (TVD)
 Total Depth: 3508.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Chuck Kreutzer Jr.
 Unit No: 36
 Reference Elevations: 2201.00 ft (KB)
 2194.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6741 Inside
 Press@RunDepth: 31.05 psig @ 3420.00 ft (KB)
 Start Date: 2010.07.01 End Date: 2010.07.01
 Start Time: 03:50:01 End Time: 10:22:00
 Capacity: 6000.00 psig
 Last Calib.: 2010.07.01
 Time On Btmr: 2010.07.01 @ 06:14:00
 Time Off Btmr: 2010.07.01 @ 08:53:30

TEST COMMENT: F: Weak blow, Died in 8 mins.
 IS: No blow back over 45 mins.
 FF: No blow over 30 mins.
 FS: No blow back over 45 mins.



PRESSURE SUMMARY			
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.75	100.67	Initial Hydro-static
3	20.05	100.35	Open To Flow (1)
34	24.22	100.73	Shut-In(1)
78	924.44	101.47	End Shut-In(1)
79	48.55	101.06	Open To Flow (2)
110	31.05	101.43	Shut-In(2)
158	910.67	102.08	End Shut-In(2)
160	1654.34	102.30	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	mud with oil specs.	0.42

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/D)



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil

Wayne Jackson #1

P.O. Box 723

Sec 35 Twp 1 Rge 19

Alma No.

Job Ticket: 38298

DST#: 2

68920

ATTN: Bob Peterson

Test Start: 2010.07.01 @ 03:50:00

Tool Information

Drill Pipe:	Length: 3394.00 ft	Diameter: 3.80 inches	Volume: 47.61 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 35000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 28000.00 lb
			<u>Total Volume: 47.61 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3415.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	93.00 ft			
Tool Length:	121.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3392.00	
Hydraulic tool	5.00			3397.00	
Jars	5.00			3402.00	
Safety Joint	3.00			3465.00	
Packer	5.00			3410.00	28.00 Bottom Of Top Packer
Packer	5.00			3415.00	
Subb	1.00			3418.00	
Perforations	3.00			3419.00	
Change Over Sub	1.00			3420.00	
Recorder	0.00	6752	Inside	3420.00	
Recorder	0.00	6741	Inside	3420.00	
Blank Spacing	62.00			3482.00	
Change Over Sub	1.00			3483.00	
Perforations	22.00			3505.00	
Bullnose	3.00			3508.00	93.00 Bottom Packers & Anchor

Total Tool Length: 121.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil: Wayne Jackson #1
 P.O. Box 723: Sec 36 Twp 1 Rge 19
 Alma No. 68920: Job Ticket: 38298 DST#: 2
 ATTN: Bob Peterson: Test Start: 2010.07.01 @ 03:50:00

Mud and Cushion Information

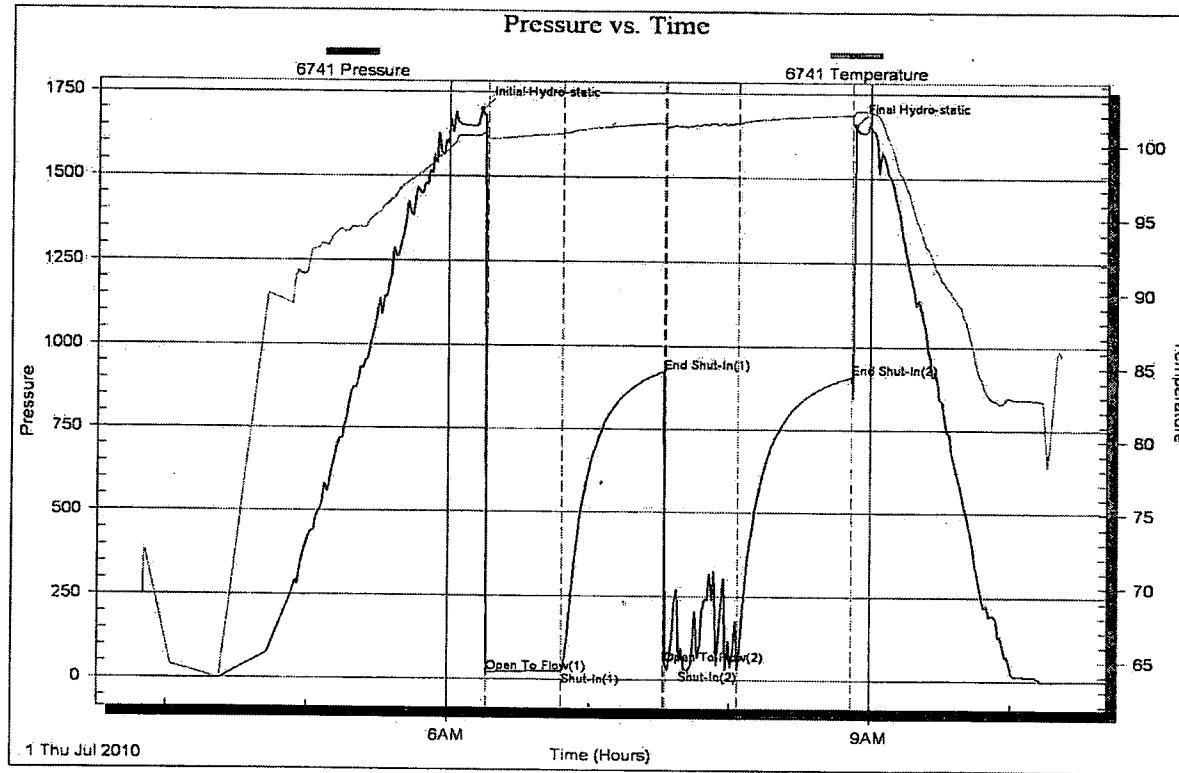
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft.	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud with oil specs	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil**
P.O. Box 723
Alma Ne.
68920

ATTN: Bob Peterson

Sec 35 Twp 1 Rge 19

Wayne Jackson #1

Start Date: 2010.07.01 @ 18:30:00
End Date: 2010.07.02 @ 01:42:30
Job Ticket #: 38299 DST #: 3

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

Bach Oil

Wayne Jackson #1

Sec 35 Twp 1 Rge 19

DST # 3

LKC-IJ

2010.07.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Back Oil

Wayne Jackson #1

P.O. Box 723
Alma Ne.
68920

Sec 35 Twp 1 Rge 19

ATTN: Bob Peterson

Job Ticket: 38299 DST#: 3

Test Start: 2010.07.01 @ 18:30:00

GENERAL INFORMATION:

Formation: LKC-I,J
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:00:00
Time Test Ended: 01:42:30

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

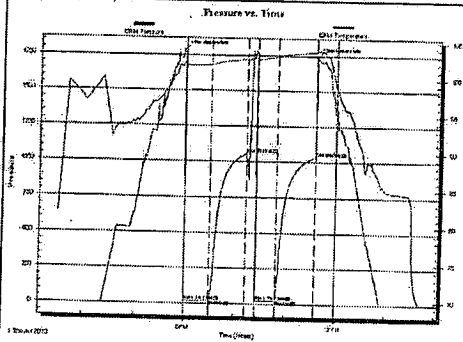
Interval: 3536.00 ft (KB) To 3575.00 ft (KB) (TVD)
Total Depth: 3575.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2201.00 ft (KB)
2194.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6741 Inside
Press@RunDepth: 27.05 psig @ 3536.00 ft (KB)
Start Date: 2010.07.01 End Date: 2010.07.02
Start Time: 18:30:01 End Time: 01:42:30

Capacity: 8000.00 psig
Last Calb.: 2010.07.02
Time On Blnt: 2010.07.01 @ 20:57:30
Time Off Blnt: 2010.07.01 @ 23:36:30

TEST COMMENT: IF: Weak surface blow, Died in 5 mins.
ISE: No blow back over 45 mins.
FF: Flushed tool, Weak blow, Died in 1 min.
FS: No blow back over 45 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1783.18	101.83	Initial Hydro-static
3	19.18	101.18	Open To Flow (1)
33	22.24	101.89	Shut-In (1)
77	1056.25	102.68	End Shut-In (1)
89	24.14	102.54	Open To Flow (2)
112	27.05	102.98	Shut-In (2)
158	1033.64	103.69	End Shut-In (2)
159	1741.69	103.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mco-40%o60%w-5 ft. free oil	0.28

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Wayne Jackson #1
 P.O. Box 723 Sec 35 Twp 1 Rge 19
 Alma Ne. Job Ticket: 38299 DST#: 3
 68920 Test Start: 2010.07.01 @ 18:30:00
 ATTN: Bob Peterson

Tool Information

Drill Pipe:	Length: 3524.00 ft	Diameter: 3.80 inches	Volume: 49.43 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			Total Volume: 49.43 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3535.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3512.00	
Hydraulic tool	5.00			3517.00	
Jars	5.00			3522.00	
Safety Joint	3.00			3525.00	
Packer	5.00			3530.00	28.00 Bottom Of Top Packer
Packer	5.00			3535.00	
Slubb	1.00			3536.00	
Recorder	0.00	6752	Inside	3536.00	
Recorder	0.00	6741	Inside	3536.00	
Perforations	36.00			3572.00	
Bullnose	3.00			3575.00	40.00 Bottom Packers & Anchor
Total Tool Length:	68.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil P.O. Box 723 Alma No. 68920 ATTN: Bob Peterson	Wayne Jackson #1 Sec 35 Twp 1 Rge 19 Job Ticket: 38299 DST#: 3 Test Start: 2010.07.01 @ 18:30:00
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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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in*	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

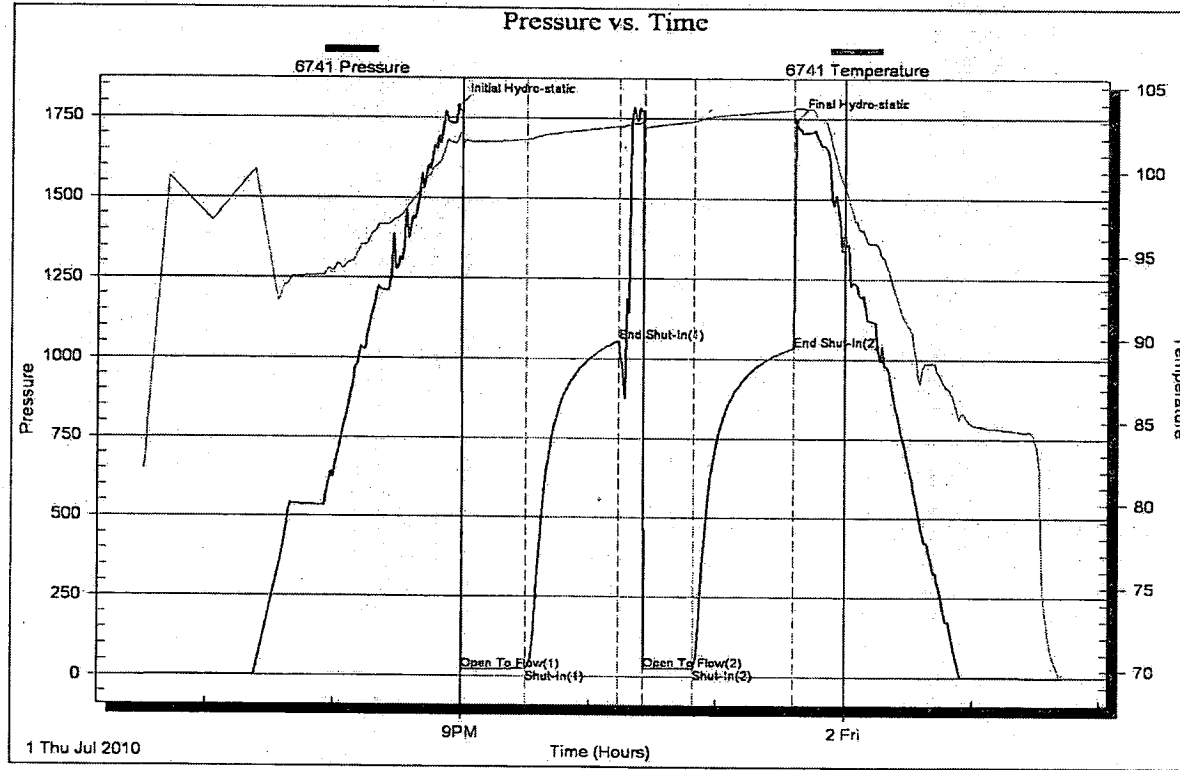
Length ft	Description	Volume bbl
20.00	mco-40%o60%m-5 ft. free oil	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY BACH OIL PROD

LEASE WAYNE JACKSON #1

FIELD WILDCAT

LOCATION 540' FNL & 474' FEL

SEC. 35 TWP. 2 RGE. 19W

COUNTY PHILLIPS STATE KANSAS

DRILLING CONTR. AMERICAN EAGLE RIG#2

SPUD 3/1/10 COMP 7/2/10

RTD 3670 LTD 3675

MUD UP 3100 TYPE MUD CHEMICAL

SAMPLES SAVED FROM 2900 TO RTD

DRILL TIME KEPT FROM 2900 TO RTD

SAMPLES EXAMINED FROM 2900 TO RTD

GEOLOGICAL SUPERVISION FROM 2900 TO RTD

GEOLOGIST ROBERT J. PETERSEN LIC. #187

API # 15-147-20626-00-00

ELEVATION

KB 2201

DF _____

GL 2194

This log measured from: K.B.

SURFACE CASING:

8 5/8" SET@ 217'
KB W/150 SX

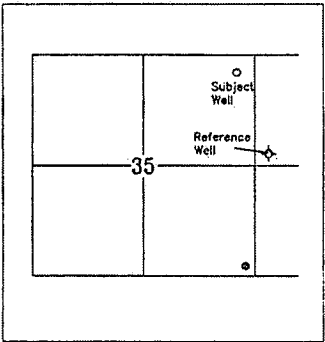
PRODUCTION CASING:

14 lb, 5 1/2" casing set @
3,674' cem w/600 sx

WELL LOG SURVEYS

Dual Induction, Compensated
Density, Micro, Sonic

FORMATION	E-LOG TOP	SUBSEA	STRUCT. POS.
BASE FT HAYS	613	+1588	-6
STONE CORRAL	1799	+402	-12
BASE STONE CORRAL	1823	+379	-8
TOPEKA	3144	-942	-3
HEEBNER	3355	-1154	-1
TORONTO	3383	-1182	-2
LANSING	3400	-1199	+2
BKC	3617	-1416	+2



REFERENCE WELL

L. B. Stableford
Jackson A#1
SW SW NW
36-1-19W

DAILY REPORT 7:00 A.M.

3-1-10 Spud
3-2-10 550'
3-3-10 1750'
3-4-10 2350'
3-5-10 3138
3-6-10 3400' DST#1

Jackson A#1
SW SW NW
36-1-19W

3-3-10 1750'
3-4-10 2350'
3-5-10 3138
3-6-10 3490' DST#1
3-7-10 3711'
3-8-10 3634' Running
prod. csg.

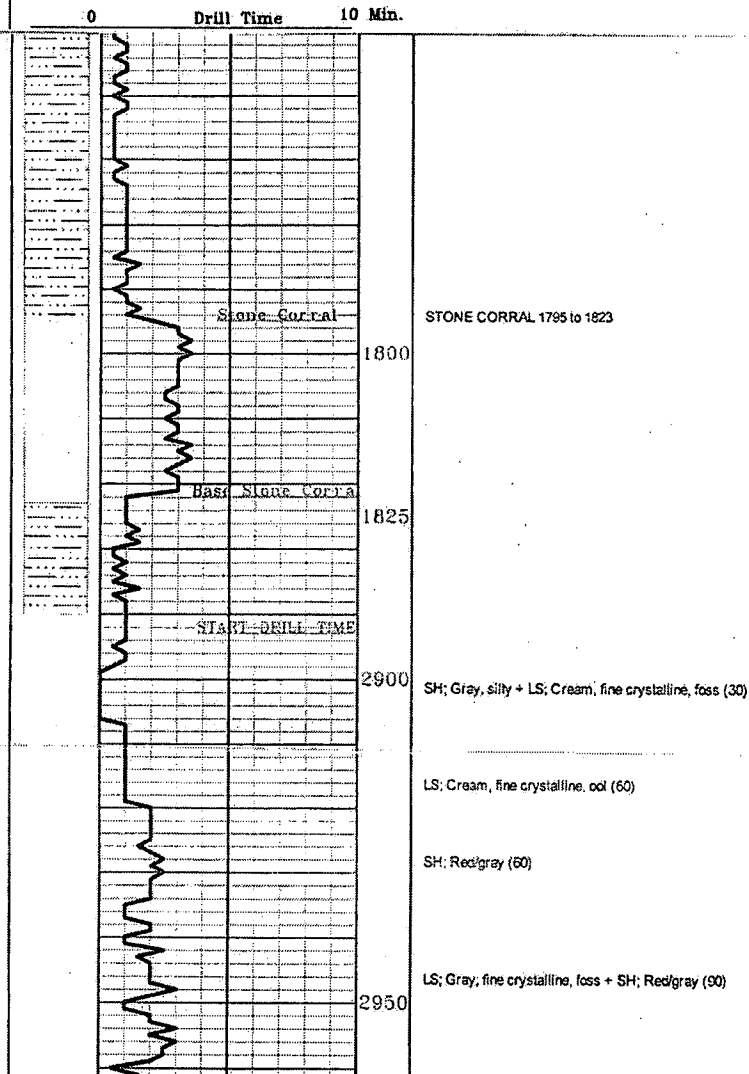
REMARKS AND RECOMMENDATIONS

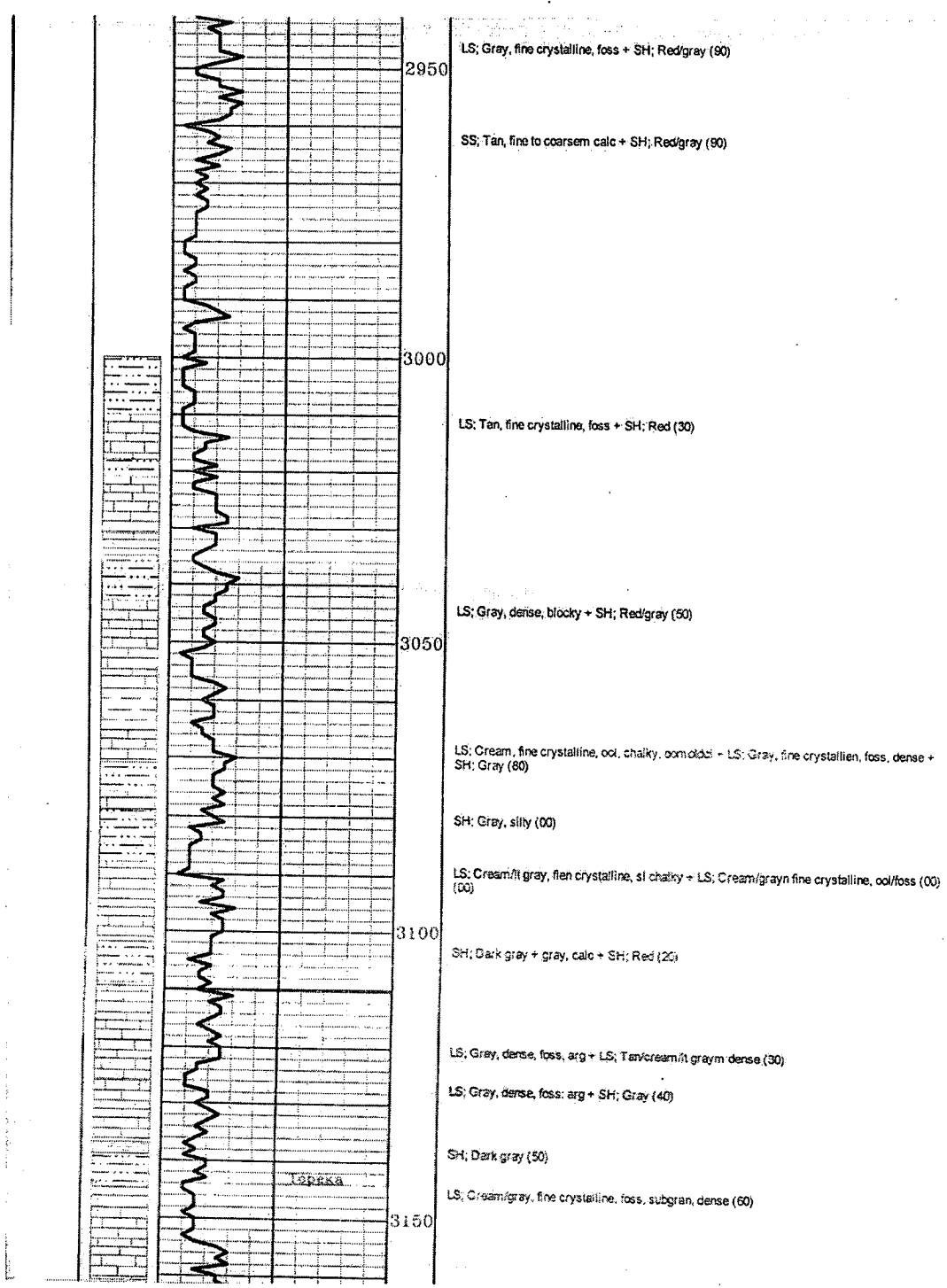
Production casing was set to further test this well.

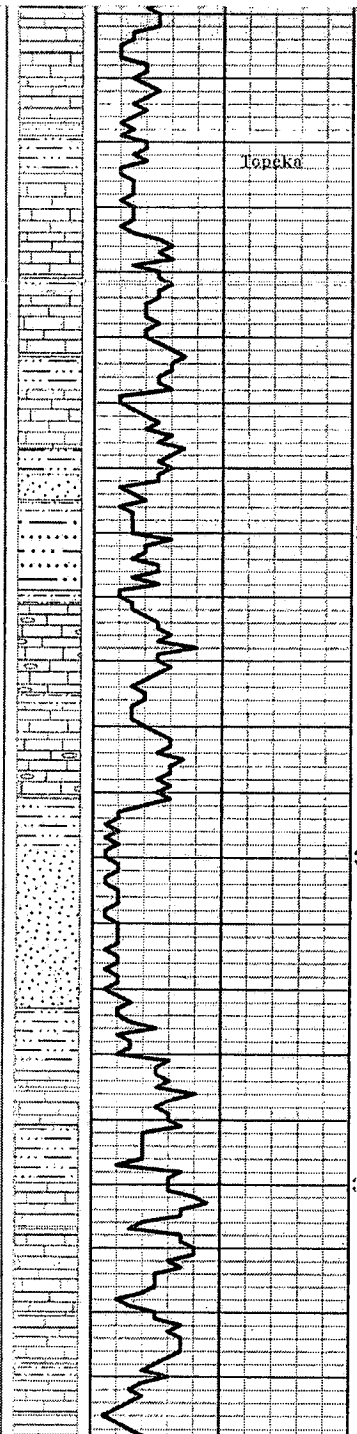
Respectfully submitted,

Robert Petersen

R. Petersen 7-7-10







LS; Gray, dense, foss, arg + LS; Tan/cream/lt gray dense (30)

LS; Gray, dense, foss, arg + SH; Gray (40)

SH; Dark gray (50)

LS; Cream/gray, fine crystalline, foss, subgran, dense (60)

LS; Cream, fine crystalline oolitic/oomoldic por, cherty, vssfo (amber) + LS; Gray, fine crystalline, foss + SH; Red/gray (80)

SH; Gray (90)

ream, fine crystalline, oolitic, chalky, vssfo (00)

SH; Gray (00)

SS; Gray, very fine grained, subangular, micaceous, friable (10)

SH; Gray, blocky (20)

LS; Cream/tan, fine crystalline, ool w/chert inclusion, fair oomoldic por (20-40)

SH; Gray/dark gray (40)

LS; Lt gray, fine crystalline, sl glauconitic, foss, dolomitic-cherty (50-60)

LS; Lt gray, dense, blocky + trace SH; Dark gray (70)

well cem, calcareous, tr stain/larry oil (70)

SS; Tan/lt gray, fine grained, subangular to subrounded, well-cemented to friable (60)

SH; Red/gray, silty (90)

LS; Cream, fine crystalline

LS; Lt gray, sandy, dense (00)

SH; Maroon/gray, silty (00)

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

SH; Black (20)

LS; Cream/lt gray, fine crystalline to dense, foss (20)

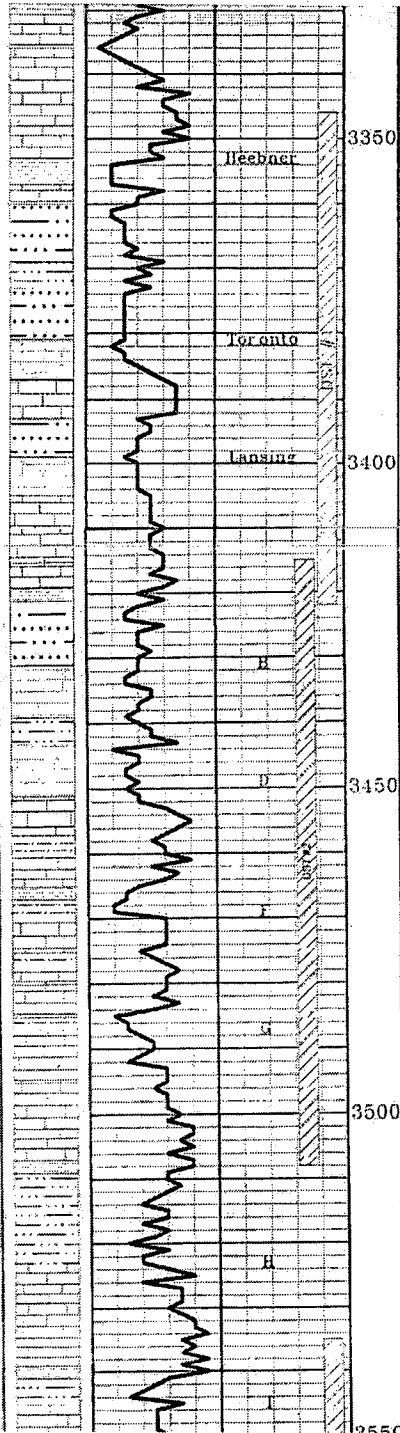
LS; Cream, fine crystalline, ool, foss in part, chalky (29)

LS; Cream/lt gray, fine crystalline to dense, fossm chalky, cherty (29/20)

SH; Gray (29/20)

LS; Cream/tan, fine crystalline to dense, foss, dolomitic, cherty (29/40)

LS; Cream/lt gray/tan, fine crystalline to dense, sl chalky, cherty (50) LS; Cream/lt gray, dense, chalky, cherty (60)



LS; Cream/tan, fine crystalline to dense, foss, dolomitic, cherty (29/40')

LS; Cream/lt gray/tan, fine crystalline to dense, sl chalky, cherty (50) LS; Cream/lt gray, dense, chalky, cherty (60)

3350

Heebner

SH; Black (tr 70/fl 60)

LS; Tan/gray, fine crystalline to dense, poor ppt por, trace stain (80)
SH; Gray/red, silty + S; Tan, fine to medium, well cem to friable (60)

SS; Gray, fine grained, subangular, friable, silty (92)

3400

Toranzo

LS; Cream, ool, dense-micritic w/fair to good vug por, sso (light) + LS; Tan, fine crystalline, ool, trace stain (92/40')

LS; Cream/lt gray, fine crystalline to dense, foss, cherty (92/40')

SH; Red/gray + SS; Gray, fine grained, friable to well cem (10)

Lansing

LS; Cream, fine crystalline, ool-granular w/fair to good intergran por, sl ool, lt odor, gsf (brown), medium brown sat on dry (20)

LS; Cream/lt gray, fine crystalline, ool, chalky-cherty (20/15')

LS; Gray, fine crystalline to dense, cherty (20/30')

SH; Black (20/45')

SH; Red/gray, silty (30)

LS; Cream, fine crys, ool, foss in part, granular, cherty, w/fair to goodm inter-gran por, sso, lt odor (40/15') dolomitic, cherty, w/gold to brown sat on dry (40/15-30') (50)

SH; Red/gray (60)

LS; Cream, fine crystalline, dolomitic, cherty, chalky, sl ool-granular, w/poor to fair inter-gran por, amber to lt brown sat, lt odor, gsf (60) increase sfo, sl foss (60/15')

3450

LS; Cream, fine crystalline, foss, chalky (60/30')

SH; Gray/green (60/30')

LS; Cream/tan, fine crystalline to dense, chalky, cherty (70)

SH; Black (80)

SH; Red (80)

LS; Lt gray, fine crystalline, foss (84)

SH; Gray (84/15')

LS; Cream/tan, fine crystalline, ool-subgran, w/fair to good intergran por, gsf, odor (84/15')

LS; Cream, fine crystalline, chalky (84/30') (90)

SH; Dark gray/red (00)

LS; Cream, fine sl ool, cherty, dolomitic w/trace poor frac por + intercrystalline por, vssfo, lt brown stain on dry (08)

LS; Lt gray, dense, blocky, foss + LS; Cream, fine crystalline (08/20')

3500

SH; Black (08/40')

SH; Red/gray + LS; Gray, dense, foss, chalky (30)

LS; Lt gray/cream, fine crystalline, foss, cherty (40)

LS; Lt gray/cream, fine crystalline to dense, foss + LS; Brown, fine crystalline, dolomitic (50)

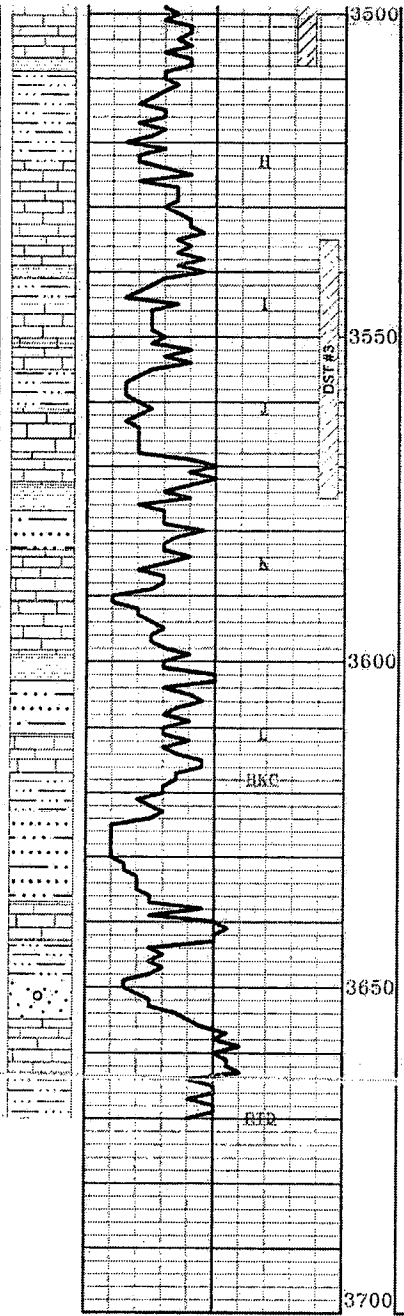
SH; Red/gray, silty (56)

LS; Tan, fine crystalline, ool/foss w/fair to good vug por, sfo, gas bubbles, lt odor, dark sat on dry (56)

DST #1
3346 to 3422
30-45-30-45"
Recovered: 90'
mud w/oil specks
IF: Weak blow built to 1' over 30 min.
FF: Weak surface blow over 30 min
SIP: 1191-1179#
FP: 22-4148-59#
HP: 1734-1628#
BHT: 102F

DST #2
3415 to 3508
30-45-30-45"
Recovered: 90'
mud w/oil specks
IF: Weak blow ctd in 8 min
FF: None
SIP: 924-911#
FP: 22-2449-31#
HP: 1698-1658#
BHT: 102F
Note: Recorder show spiking on second flow

DST #3
3535 to 3575
30-45-30-45"
Recovered: 20'
MCO & 5' FO
IF: Weak blow died in 5min.
FF: None
SIP: 1056-1034#
FP: 19-22/24-27#
HP: 1783-1728#
BHT: 103F



DST #3
 3635 to 3575
 30-45-30-45'
 Recovered: 20'
 MCO & 5' FO
 IF: Weak blow died
 in 5min.
 FF: None
 SIP: 1056-1034#
 FP: 19-22/24-27#
 HP: 1783-1728#
 BHT: 103F

SH: Black (08/40")
 SH: Red/gray + LS; Gray, dense, foss, chalky (30)

LS: Lt gray/cream, fine crystalline, foss, cherty (40)

LS: Lt gray/cream, fine crystalline to dense, foss + LS; Brown, fine crystalline, dolomitic (50)

SH: Red/gray, silty (58)

LS: Tan, fine crystalline, ool/foss w/fair to good vug por, sfo, gas bubbles, lt odor, dark sat on dry (56)

LS: Cream, fine crystalline to dense, sl cherty (58/15")

SH: Red/gray, silty (75)

LS: Cream, fine crystalline, sl foss, chalky (75)

LS: Cream/lt gray, fine crystalline, chalky, trace, poor fracture por, vsf (75/30')

SH: Black (60/90)

SH: Red/gray + SS; Gray, fine grained, friable to well cemented (90)

LS: Cream/white, fine crystalline, foss w/poor, frac por, sso, faint odor (00)

SH: Black (10/20)

SH: Red/gray, silty + SS; Red/brown, very fine grained, friable to coarse, loose (40)

SS: White/red, calcareous, fine grained, friable + SH; Red, silty (50)

LS: Cream, fine crystalline, foss, sl chalky (60)

SH: Red, silty (60)

SS: Clear/white, fine to coarse, subrounded, well-cemented to friable + SH; Maroon/red, silty (70)

LS: Cream/lt gray fine crystalline to dense, foss + LS; Brown, dense, foss, blocky (70)

SH: Crty, muddy + LS; Cream, fine crystalline to dense, chalky + SS; Clear, fine grained, loose + SH; Red/gray (70/30-60')