



KANSAS CORPORATION COMMISSION 1080293
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 # 3273
Name: HERMAN L. LOEB, LLC
Address 1: PO BOX 838
Address 2: _____
City: LAWRENCEVILLE State: IL Zip: 62439 + _____
Contact Person: Jesse R. Middagh
Phone: (618) 943-2227
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Jon Christensen
Purchaser: _____

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 #: _____

<u>04/27/2012</u>	<u>05/09/2012</u>	<u>06/01/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-097-21724-00-00

Spot Description: _____
SE SE NW NW Sec. 20 Twp. 30 S. R. 17 East West
1300 Feet from North / South Line of Section
1135 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Kiowa
Lease Name: Canton 'C' Well #: 3-20
Field Name: Glick

Producing Formation: Mississippi Chert
Elevation: Ground: 2038 Kelly Bushing: 2049
Total Depth: 5180 Plug Back Total Depth: 4894
Amount of Surface Pipe Set and Cemented at: 568 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 3510 Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 95000 ppm Fluid volume: 1040 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Roberts Resources, Inc
Lease Name: Mary SWD License #: 32781
Quarter NE Sec. 16 Twp. 29 S. R. 18 East West
County: Kiowa Permit #: D-28396

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: 07/16/2012



1080293

Operator Name: HERMAN L. LOEB, LLC Lease Name: Canton 'C' Well #: 3-20
 Sec. 20 Twp. 30 S. R. 17 East West County: Kiowa

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
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 <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

Microlog
NEU / DEN
Compensated Resistivity

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	14.25	8.625	23	568	Basic	275	Ticket #06136
Production	7.875	5.5	15.5	5157	Basic	200	Ticket #06404

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
Attached	Attached	Attached	Attached

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

Date of First, Resumed Production, SWD or ENHR. 06/16/2012

Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		285	35		

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4866-4870</u> <u>4878-4884</u>
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Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	Canton 'C' 3-20
Doc ID	1080293

Tops

Stotler LS	3361	-1312
Howard	3590	-1541
Heebner Shale	4074	-2025
Toronto	4090	-2041
Lansing 'A'	4254	-2205
Base KC	4664	-2615
Marmaton	4720	-2671
Cherokee Shale	4808	-2759
Miss Chert	4862	-2813
Miss Limestone	4922	-2873
Kinderhook Shale	5095	-3046
Viola	5124	-3075

Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	Canton 'C' 3-20
Doc ID	1080293

Perforations

4	6 foot interval (24 shots)	Shot	4878 - 4884
4	4 foot interval (16 shots)	Shot	4866 - 4870
	CIBP		4894
		Acid 500g 15% MCA	
		Acid 1000g 15% MCA	
		Frac Nitrogen Foam 17800#	



760 Canton
6420
9420

PAGE 1 of 1	CUST NO 1007389	INVOICE DATE 04/30/2012
INVOICE NUMBER 1718 - 90892907		

Pratt (620) 672-1201
 B HERMAN L LOEB LLC
 I PO BOX: 838
 L LAWRENCEVILLE
 L IL US 62439
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Canton C 3-20
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40458001	19905		Net - 30 days	05/30/2012	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 04/28/2012 to 04/28/2012</i>					
0040458001					
171806136A Cement-New Well Casing/Pi 04/28/2012					
Cement 8 5/8" Surface					
A-Con Blend Common 150.00 EA 14.40 2,159.95 T					
Common Cement 125.00 EA 12.80 1,599.94 T					
Calcium Chloride 659.00 EA 0.84 553.54 T					
Celloflake 69.00 EA 2.96 204.23 T					
"Top Rubber Cmt Plug, 8 5/8"" 1.00 EA 179.99 179.99					
"8 5/8"" Guide Shoe (Red)" 1.00 EA 439.98 439.98					
Centralizer 8 5/8 x 12 1/4 2.00 EA 116.00 231.99					
Flapper Type Insert Float Valve 8 5/8" 1.00 EA 223.99 223.99					
"Unit Mileage Chg (PU, cars one way)" 45.00 MI 3.40 152.99					
Heavy Equipment Mileage 90.00 MI 5.60 503.98					
"Proppant & Bulk Del. Chgs., per ton mil 583.00 EA 1.28 746.21					
Depth Charge; 501'-1000' 1.00 EA 959.96 959.96					
Blending & Mixing Service Charge 275.00 BAG 1.12 307.99					
Plug Container Util. Chg. 1.00 EA 199.99 199.99					
"Service Supervisor, first 8 hrs on loc. 1.00 EA 139.99 139.99					
PLEASE REMIT TO:		SEND OTHER CORRESPONDENCE TO:		SUB TOTAL	8,604.72
BASIC ENERGY SERVICES, LP		BASIC ENERGY SERVICES, LP		TAX	329.79
PO BOX 841903		PO BOX 10460		INVOICE TOTAL	8,934.51
DALLAS, TX 75284-1903		MIDLAND, TX 79702			

PAID
29646
MAY 08 2012
SCANNED



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 06136 A

DATE _____ TICKET NO. _____

DATE OF JOB 4-28-12 DISTRICT Pratt		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER Helman L. Loub LLC		LEASE Canton C		WELL NO. 300					
ADDRESS		COUNTY Kiowa		STATE KS					
CITY STATE		SERVICE CREW Orlando, Math, McGraw							
AUTHORIZED BY		JOB TYPE: CNW-8 5/8 Surface							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE 4-28-12	AMP	TIME 5:00
27285	1/2					ARRIVED AT JOB		AM	7:00
19903-19905	1/2					START OPERATION		AM	11:15
19826-19860	1/2					FINISH OPERATION		AM	11:45
						RELEASED		AM	12:30
						MILES FROM STATION TO WELL			45

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP101	A Con Blend	SK	150		2700.00
CP100C	Common	SK	125		2000.00
CL102	Cellstake	Lb	69		255.30
CC109	Calcium Chloride	Lb	659		691.95
CF105	Top Rubber Plug 8 5/8	ea	1		225.00
CF203	Guide Shoe 8 5/8 (Rod)	ea	1		550.00
CF1453	Slapper Type Insert (Rent Value)	ea	1		280.00
CF1773	Centralizer 8 5/8	ea	2		250.00
E100	Pickup Mileage	mi	45		191.25
E101	Heavy Equipment Mileage	mi	90		630.00
E113	Bulk Delivery	Tb	583		932.40
CE201	Depth Charge 501-1000'	ea	1		1200.00
CE240	Blending + mixing Service	SK	275		385.00
CE504	Plug Container	ea	1		250.00
S003	Service Supervisor	ea	1		175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		8604.72
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE Steve Galardo	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Brian Harwood
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(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer Heiman Loan LLC	Lease No.	Date 4-28-12
Lease Canton	Well # C-3-30	
Field Order # 6136	Station Pratt	County Kiowa
Type Job CNW - 2 1/8 Surfac.	Formation	State KS
		Legal Description 20-30-17

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 2 1/2"	Tubing Size 2 1/8"	Shots/Ft	150	Acid A-C (com. 100)	RATE	PRESS	ISIP	
Depth 368	Depth	From	To 175	Pre Pad	Max		5 Min.	
Volume 360	Volume	From	To	Pad	Min		10 Min.	
Max Press 125	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 8	Packer Depth	From	To	Flush 33.58	Gas Volume		Total Load	

Customer Representative Brid	Station Manager Drew Scott	Treater Steve Wilkins
Service Units 27283	17703/17705	17820/17860
Driver Names Drew Scott		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:45					Location - 500' from well
					Ran 175' 2 1/8" Surfac.
					Completed at 11:10
					Completed at 11:10
					Completed at 11:10
11:10	1100		66	5 1/2	Max 1500psi, Acid Bl. @ 1 1/2"
11:25	350		26.7	5 1/2	Max 1750psi, Completion @ 15.1#/1000
11:38	0		0		Shut Down - Re-l. Plug
11:45	1100		20	5	Completed at 11:45
11:45	500		34	11	Plug at 11:45
					Job complete
					Track 5 miles
					Completed on this job
					(circled) 11656 Total



7600 Canton
9420

PAGE 1 of 1	CUST NO 1607589	INVOICE DATE 05/10/2012
INVOICE NUMBER 1718 - 90901709		

Pratt (620) 672-1201
 B HERMAN L LOEB LLC
 I PO Box: 838
 L LAWRENCEVILLE
 L IL US 62439
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Canton C 3-20
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
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JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE																																																																																								
40462160	20920		Net - 30 days	06/09/2012																																																																																								
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PAID 29875 MAY 17 2012 SCANNED																																																																																												
PLEASE REMIT TO: BASIC ENERGY SERVICES, LP PO BOX 841903 DALLAS, TX 75284-1903		SEND OTHER CORRESPONDENCE TO: BASIC ENERGY SERVICES, LP PO BOX 10460 MIDLAND, TX 79702																																																																																										
		SUB TOTAL TAX INVOICE TOTAL		15,635.48 387.36 16,022.84																																																																																								



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 06404 A

DATE _____ TICKET NO. _____

DATE OF JOB 5-9-12	DISTRICT Pratt	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:		
CUSTOMER Herman L LOEB		LEASE Canton C		3-20 WELL NO.					
ADDRESS		COUNTY Kiowa		STATE KS					
CITY		STATE		SERVICE CREW Wright Phye Sullivan Melson					
AUTHORIZED BY		JOB TYPE: C/W 5 1/2 LS							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19959	20920	1hr					5-9	PM	12
19960	19918	1hr					5-9	AM	4
37400							5-9	AM	10:30
							5-9	AM	11:30
							5-9	AM	12:00
						MILES FROM STATION TO WELL	45		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *Mark Polley*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 104	50/50 P02	SK	200		2,200 00
CP 104	50/50 P02	SK	50		550 00
CL 102	cello flake	lb	63		233 10
CL 113	GVP sum	lb	1050		787 50
CL 129	FLA-322	lb	105		787 50
CL 201	Gil spate	lb	1500		11,005 00
C 700	KLF Potassium Chloride	lb	566		849 00
CF 481	5/8 Part Collar	eg	1		3,500 00
CF 607	Latch Down Plug	eg	1		2,400 00
CF 1251	Auto Fill Float shoe	eg	1		11,200 00
CF 1651	Turbolizer	eg	14		1,540 00
CF 1901	5/8 BASKETS	eg	2		580 00
CF 2001	Scratchers	eg	6		2,950 00
C 704	CLAV max	gal	6		210 00
CL 151	Mud Flush	gal	1000		860 00

CHEMICAL / ACID DATA:			

SUB TOTAL		
DLS		
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: *Ed [Signature]* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Mark Polley*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

~~1718 06495 A~~

continuation of

DATE TICKET NO. 171806404A

DATE OF JOB <u>5-9-12</u>	DISTRICT <u>Pratt</u>	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER <u>Herman L Loem</u>		LEASE <u>Ganton C</u>		3-20 WELL NO.			
ADDRESS		COUNTY		STATE			
CITY		STATE		SERVICE CREW			
AUTHORIZED BY		JOB TYPE:					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM PM TIME
						ARRIVED AT JOB	AM PM
						START OPERATION	AM PM
						FINISH OPERATION	AM PM
						RELEASED	AM PM
MILES FROM STATION TO WELL							

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Michael Polley
(WELL OWNER, OPERATOR, CONTRACTOR, OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E 100	Pickup mileage	mi	45		19.125
F 101	Heavy mileage	mi	90		6.3000
F 113	BULK Delivery	tm	473		756.00
CE 206	Depth Charge	4hr	1		2880.00
CE 240	Mixing Charge	SK	250		350.00
CE 504	Plug Container	JOB	1		250.00
S 003	Supervisor	eq	1		175.00

CHEMICAL / ACID DATA:			

		SUB TOTAL	15635	49
		DLS		
SERVICE & EQUIPMENT	%TAX ON \$			
MATERIALS	%TAX ON \$			
		TOTAL		

SERVICE REPRESENTATIVE <u>Michael Polley</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Michael Polley</u>
--	---

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASIC

energy services, L.P.

TREATMENT REPORT

Customer Hermyn L Loeb	Lease No.	Date 5-9-2012
Lease CANTON C	Well # 3:20	
Field Order # 6404	Station Pratt	Casing 5 1/2
	Depth 5142	County LSIOWA
Type Job CNW 5 1/2 LS	Formation TD	State ISS
		Legal Description 20-30-17

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2								
Depth 5142	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 121	Volume	From	To	Pad	Min		10 Min.	
Max Press 2000	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 5100	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative George Payne	Station Manager D. SCOTT	Treater JOE MEISCH
Service Units 37900	19959	20920
Driver Names Sullivan	Molson	WRISBY
		Phye

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4: PM					on loc. Safety meeting
					Run 121 JTS 5 1/2 15.5 lb Pipe
					TURBO 1, 4, 5, 6, 8, 9, 11, 13, 20, 22
					38, 40, 42, 43
					Back 12, 39
					Port Collar on TOP of JOINT 39 (3510')
					circ 15 min with Pig 1/2 way
					circ 30 min with Pig 3/4 way
10:20			24	4	Mud Flush
			5	4	H2O spacer
			307	4	Plug Bat Hole 30 SK
			5	4	Plug Mouse Hole 20 SK
			48	5	200 SK 50/50 POZ
				2	Clear Pump and Line / Drop Plug
11				5.5	Start Disp.
			90	5.5	Lift Pressure
			110	4	Slow Rate
11:00			121	5.34	Plug Down
					JOB COMPLETE
					Thank you

LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial

Well Name: Canton "C" #3
Location: 1300' FNL & 1135' FWL, Sec. 20-T30S-R17W, Kiowa Co., KS.
Licence Number: 15-097-21724-0000
Spud Date: 4/27/2012
Surface Coordinates: 1300' FNL & 1135' FWL, Sec. 20-T30S-R17W
Region: Glick Field
Drilling Completed: 5/8/2012

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 2038' K.B. Elevation (ft): 2049'
Logged Interval (ft): 4000' To: 5180' Total Depth (ft): 5180'
Formation: Viola at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 2995'; Chemical Gel 2995' to 5180'.

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Herman L. Loeb, LLC.
Address: P.O. Box 838
Lawrenceville, IL. 62439-0838

GEOLOGIST

Name: Jon D. Christensen
Company: Consulting Petroleum Geologist
Address: 9002 W. Silver Hollow St.
Wichita, KS. 67205-8856

Cores

None Taken

DSTs

DST #1(Upper Miss. Chert) 4878' - 4902'(Corrected Depths to the Log) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/30 Sec. Gas to Surface in 4 Min. Gauged Maximum of 672.7 MCFG/15", FFP Gas to Surface throughout, stabilized at 482.6 MCFG/45" of FFP, weak surface Blowback on FSI; REC: 190' MSW(60%W, 40%M) CI 105,000, Mud 5000; IFP 143-156#, ISIP 350#, FFP 144-165#, FSIP 350#, IHP 2371#, FHP 2366#, BHT 118 Deg. F.

DST #2(Lower Miss. Chert) 4903' - 4939'(Corrected Depths to the Log) Test Times 15"-45"- 45"-60" IFP Strong Blow BOB/3 Min., FFP Fair to Strong Blow BOB/16 Min., no Gas to Surface; 1.25" Blowback in ISI, 1" Blowback on FSI; REC: 868' Gas in Pipe, 50' MW(80%W, 20%M), 450' Gsy SW, CI 110,000, Mud 6000; IFP 40-133#, ISIP 356#, FFP 148-239#, FSIP 355#, IHP 2475#, FHP 2356#, BHT 125 Deg. F. (Water CI verified by Mud Co. Engineer).

Comments

4/27/12 MIRU Sterling Drilling Rig #2, Spud at 9:00 PM.; 4/28/12 TD. 568' - Short Trip prior to setting Surface Casing; 4/29/12 Drilling at 1142'; 4/30/12 Drilling at 2362'; 5/1/12 Drilling at 2995' - Displacing mud system; 5/2/12 Drilling at 3545'; 5/3/12 Drilling at 3968'; 5/4/12 Drilling at 4334'; 5/5/12 Drilling at 4658'; 5/6/12 TD. 4906' - CCH for DST #1; 5/7/12 TD. 4943' - DST #2; 5/8/12 Drilling at 5100' - Reached TD. 5180' at 1:45 PM; 5/9/12 RTD. 5180' - LTD. 5177' - TIH to LDDP for setting Production Casing.

Set new 8 5/8"(23#) Surface Casing at 568' w/ 275sx. Cement did Circulate(Basic Energy Services). PD. 11:45 AM. 4/28/12.

Set new 5 1/2"(15.5#) Production Casing at 5157' w/200 sx.(Basic Energy Services). PD. 11:30 PM. 5/9/12. Port Collar at 3510'.

Surveys: 0.75 Deg. at 568'(Surface Casing); 0.25 Deg. at 4906'(DST #1); 1 Deg. at 5180' RTD.

Pipe Strap at 4906'(DST #1): Strap 2.20' Short to the Board, no correction made to the Board.

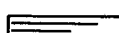
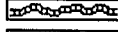

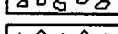


After review of the Halliburton Logs, DST data and positive shows of commercial amounts of hydrocarbons, the operator elected to set new 5 1/2" Production casing for completion in the Mississippi Chert.

LOG TOPS: Stotler Lmst. 3361(-1312), Howard 3590(-1541), Heebner Shale 4074(-2025), Toronto 4090(-2041), Brown Lmst. 4235(-2186), Lansing 'A' 4254(-2205), Stark Shale 4573(-2524), Base Kansas City 4664(-2615), Marmaton 4720(-2671), Altamont 4733(-2684), Cherokee Shale 4808(-2759), Reworked Miss. Chert 4862(-2813), Miss. Lmst. 4922(-2873), Kinderhook Shale 5095(-3046), Viola 5124(-3075).






































































NOTE: This log was shifted upward by 3' - 4' for correlation purposes with the Halliburton Logs.

A port collar was set at 3510' in the Production Casing string, and cemented during completion operations of the Canton 'C' #3. The Stotler Lmst. exhibited a 25 Unit gas kick and calculates productive on the logs. The zone should be perforated and tested from 3364' - 3368'(log depths) after initial production from the Mississippi Chert.

ROCK TYPES

 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Siltst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till

ACCESSORIES

MINERAL	 Gyp	FOSSIL	 Ostra
 Anhy	 Hvymin	 Algae	 Pelec
 Arggrn	 Kaol	 Amph	 Pellet
 Arg	 Marl	 Belm	 Pisolite
 Bent	 Minxl	 Bioclst	 Plant
 Bit	 Nodule	 Brach	 Strom
 Brecfrag	 Phos	 Bryozoa	
 Calc	 Pyr	 Cephal	STRINGER
 Carb	 Salt	 Coral	 Anhy
 Chtdk	 Sandy	 Crin	 Arg
 Chtlt	 Silt	 Echin	 Bent
 Dol	 Sil	 Fish	 Coal
 Feldspar	 Sulphur	 Foram	 Dol
 Ferrpel	 Tuff	 Fossil	 Gyp
 Ferr		 Gastro	 Ls
 Glau		 Oolite	 Mrst
			 Sltstrg
			 Ssstrg
			TEXTURE
			 Boundst
			 Chalky
			 Cryxln
			 Earthy
			 Finexln
			 Grainst
			 Lithogr
			 Microxln
			 Mudst
			 Packst
			 Wackest

OTHER SYMBOLS

- POROSITY**
 [E] Earthy
 [D] Fenest
 [F] Fracture
 [X] Inter
 [Z] Moldic
 [O] Organic
 [P] Pinpoint

- [V] Vuggy
SORTING
 [W] Well
 [M] Moderate
 [P] Poor

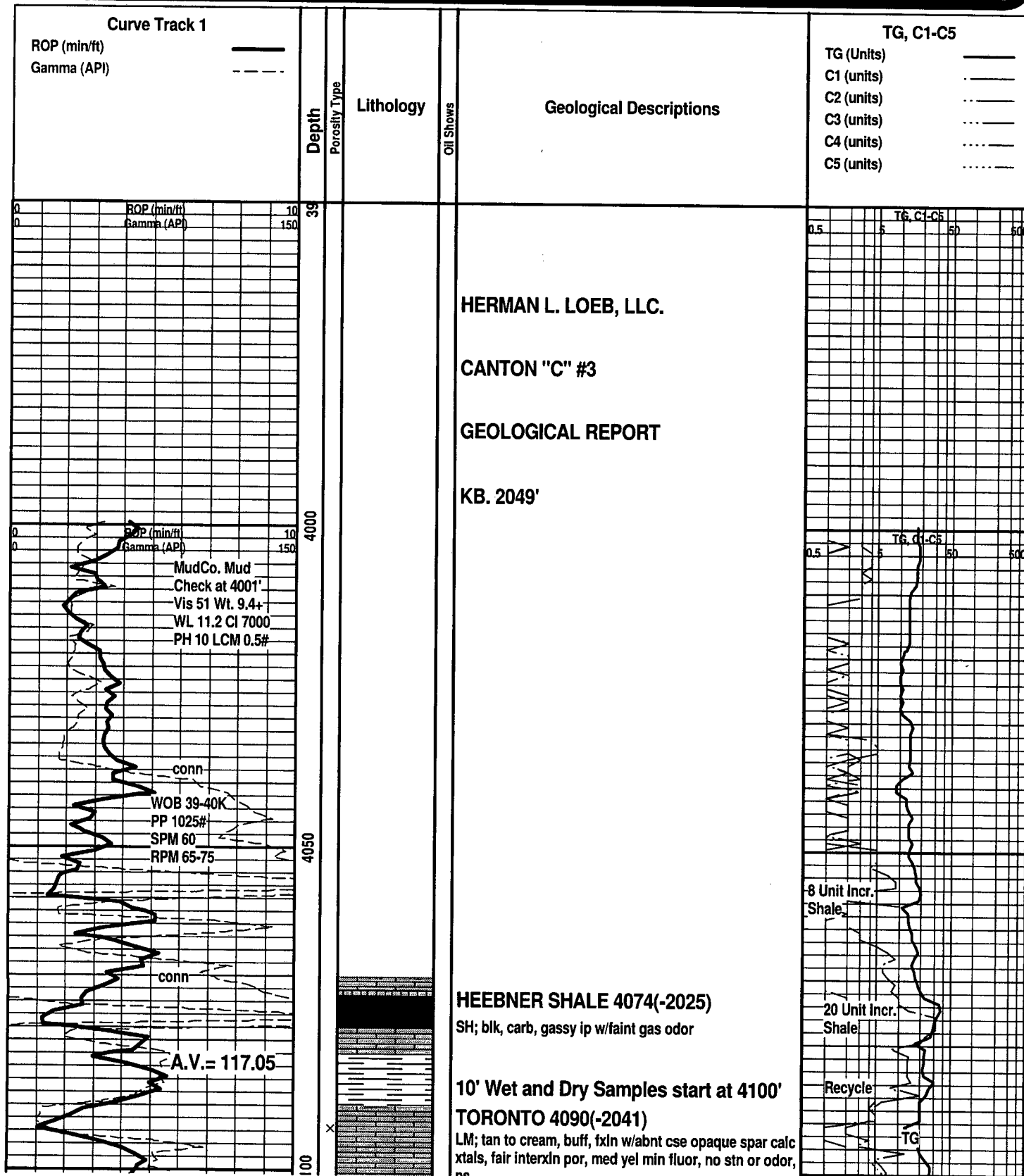
- ROUNDING**
 [R] Rounded
 [r] Subrnd
 [a] Subang
 [A] Angular

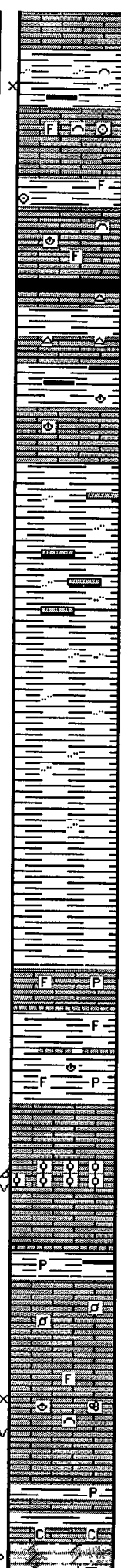
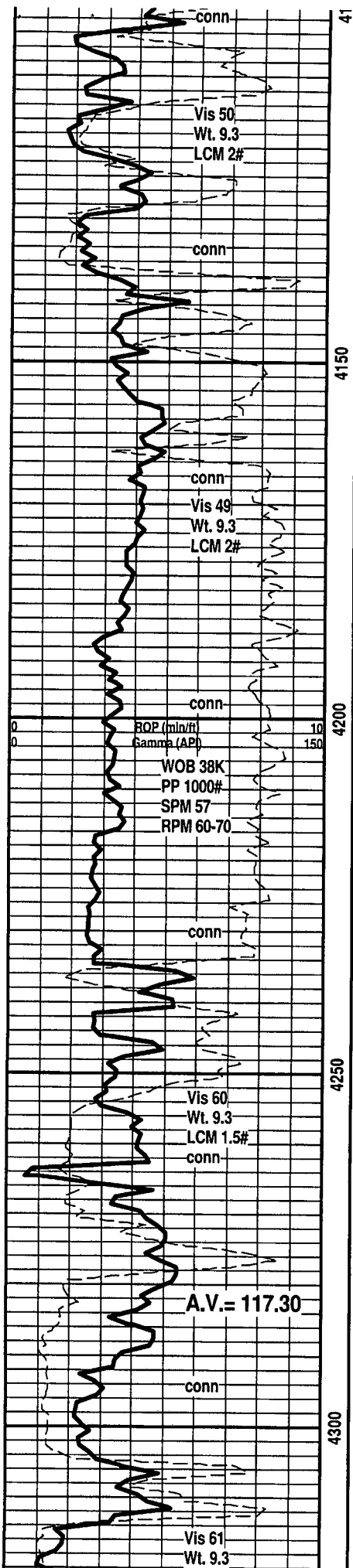
- [S] Spotted
 [Q] Ques
 [D] Dead

- EVENT**
 [▽] Rft
 [▾] Sidewall

- INTERVAL**
 [■] Core
 [□] Dst

- OIL SHOW**
 [◆] Even





SH; med gy, platy, occ silty

LM; lt brn, tan, foss ip, scat poor to fair interpart por, minor chalky mtb, lt yel min fluor, ns.

SH; lt to med gy, grn, trc rust red/brn, platy, foss

LM; lt brn, tan, hd, micritic, occ foss, tite

LM; tan to lt brn, hd, micritic, blocky, scat off wh to gy cht, no vis por, ns.

SH; dk gy, trc blk, platy, occ foss

LM; med brn, hd, foss ip, micritic, blocky

SH; lt to med gy, silty w/interbdd sltst.

SH; lt to med gy, firm, silty lp, platy

SH; med gy, fiss - flakey, smooth

BROWN LMST. 4235(-2186)
LM; med brn, hd, occ pyr, rare well cem foss.

SH; med gy grn, foss ip, interbdd thin shaly lmst

LANSING 4254(-2205)
LM; off wh, tan, buff, hd, dense, most micritic

LM; tan to lt gy brn, oolitic, well dev. oomoldic por, brittle ip, trc vug por, med to occ brite yel fluor, no vis oil stn, no odor, trc gas bubbles

SH; dk gy, trc blk, platy, pyr ip.

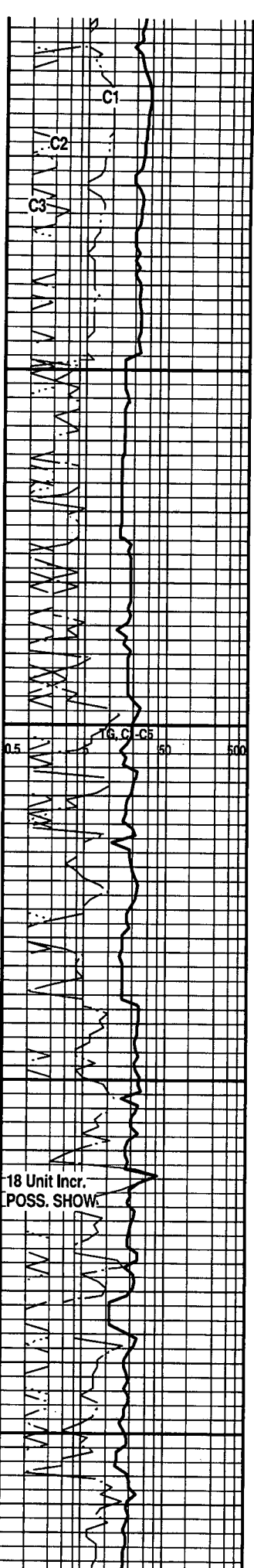
LANSING 'B' 4279(-2230)
LM; tan to off wh, lt brn, foss ip, scat small pelletal lmst, well cem, dull yel min fluor, ns.

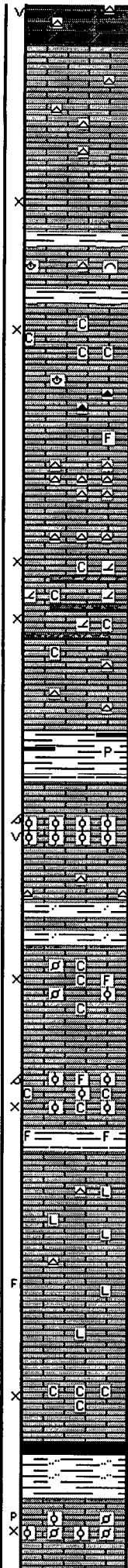
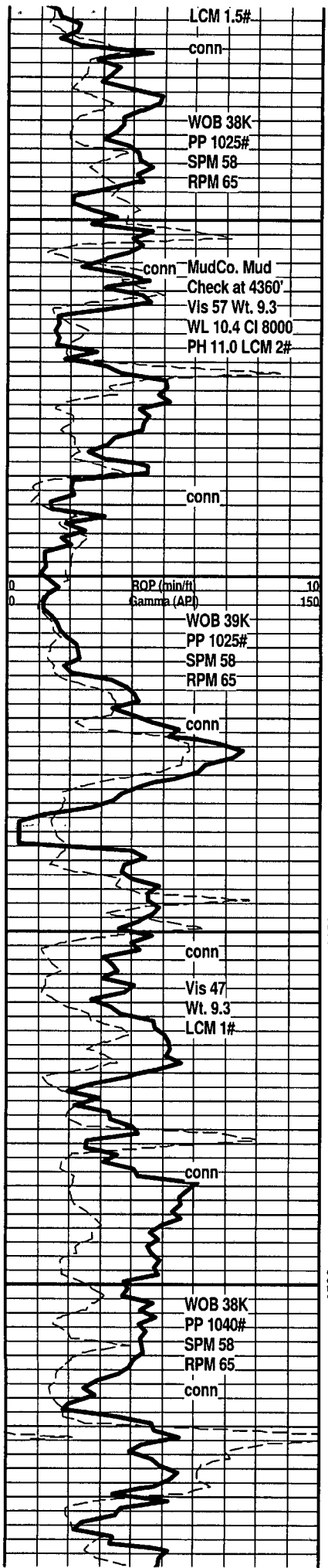
LM; lt gy, rare off wh, foss ip, scat fair interpart w/vug por, lt yel min fluor, no vis stn, no odor, barren, ns.

SH; dk gy, platy, pyr ip.

LM; wh, off wh, med xln, v. chalky, soft

LM; tan to lt brn, success, ad por and vug por, lt vel





LM; tan to lt brn, succrose, ga p-p and vug por, lt yel min fluor, no stn or odor, scat off wh cht, ns.

LM; lt to med brn, most dense, blocky, hd, scat gy to off wh cht, no vis por, ns.

LM; lt brn, med xln to gran text, fair interxln por, lt yel min fluor, no stn or odor, ns.

LM; med to dk brn, foss ip, dense

LM; off wh, tan, buff, fxln w/scat succrose text, partly chalky soft mtz, fair to gd interxln por, dull yel min fluor, no stn or odor, ns.

LM; tan to lt brn, f to med xln, most dense, abnt gy occ foss cht, no fluor, ns.

LM; tan to lt brn, buff, med xln, scat cse opaque spar calc xtals, interbdd succrose text partly dolomitic lmst, v. dull yel fluor, no stn or odor, occ soft chalky mtz, barren, ns.

LM; med brn, hd, scat gy cht, tite

SH; dk gy, trc blk, sticky ip, rarely pyr

LANSING/KC. 'H' 4429(-2380)

LM; tan to buff, lt brn, oolitic, med size moldic por, brittle, well dev. vug por ip, dull yel min fluor only, no stn or odor, no gas kick

LM; tan to lt brn, hd, micritic, occ gy oolitic cht

SH; grn, gy grn, platy, silty ip.

LM; wh to off wh, foss ip, most med xln w/soft chalky mtz, fair to poor interxln por, dull yel fluor, no stn or odor, ns.

LM; off wh, tan, buff, foss w/scat oolitic lmst, fair oomoldic w/interpart por, occ soft chalky mtz, no fluor, ns.

SH; med to dk gy, platy, foss ip.

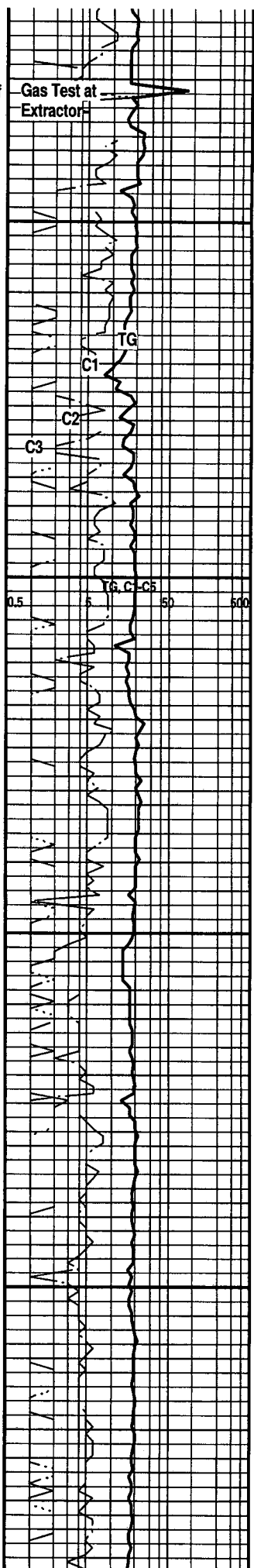
LM; lt to med gy brn, lt brn, most micritic to litho, dense, rare gy cht, tite

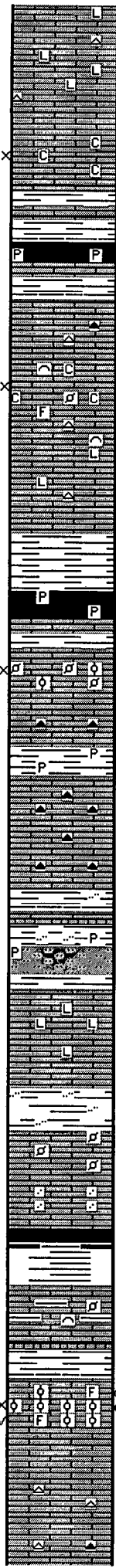
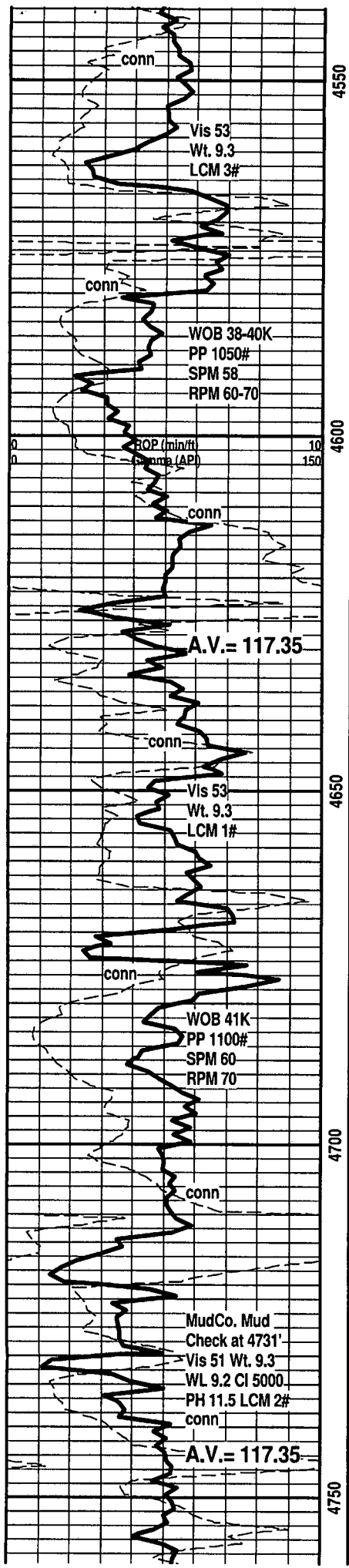
LM; tan to lt brn, buff, fxln, most hd - micritic, trc frags w/spar calc edge xtals, no fluor, no stn or odor, ns.

LM; off wh, tan, wh, f to med xln, poor interxln por, scat soft chalky mtz, no fluor, no stn, ns.

SH; dk gy- blk, platy, w/much soft grn silty sh.

LM; off wh, buff, tan, foss - scat small pellets and ooids, fair interpart por, scat p-p por, dull yel fluor, no stn or odor, no gas kick, ns.





LM; tan to cream, buff, hd, blocky, most litho to micritic, trc tan/off wh cht, tite

LM; tan to cream, buff, med xln, some gran text, occ soft chalky mtz, fair interxln por, lt yel min fluor, no stn or odor, ns.

STARK SHALE 4573(-2524)

SH; dk gy, blk, pyr ip, platy

SWOPE 4581(-2532)

LM; off wh, tan, buff, occ foss mat, much hd micrite, interbdd amber to lt gy cht, occ fxln chalky lmst w/poor to fair interxln por, scat lt yel min fluor, no stn or odor, ns.

LM; off wh, tan, lt brn, fxln to litho, dense, scat off wh to wh cht, no vis por, ns.

SH; blk, carb ip, occ pyr, blocky

HERTHA 4628(-2579)

LM; off wh, tan, cream, foss w/occ small pellets and ooids, most well cem, poor to no vis por, lt yel min fluor, no stn, no gas kick, ns.

LM; med to dk brn, hd, blocky, scat amber cht

SH; med to dk gy, lmy ip, occ pyr

LM; med to dk brn, v. hd, abnt dk brn/smoky cht, tite

BASE KANSAS CITY 4664(-2615)

SH; grn, gy gm, silty w/interbdd sitst, occ pyr

LM; off wh, tan, wh, buff, hd, micritic to litho, pale blue/yel min fluor, no vis por, no stn or odor, ns.

SH; grn, gy grn, brn, some varic sh, v. firm, occ silty

LM; off wh, tan, buff, foss ip - finely pelletal, well cem, no vis por, lt yel min fluor, no stn or odor, interbdd gritty text partly sandy lmst, ns.

SH; varic, grn/brn, rust red, dk gy-blk, platy, occ silty, some v. soft - sticky

MARMATON 4720(-2671)

LM; lt brn, buff, grn tint - partly argil, most dense, rarely foss, no vis por, ns.

ALTAMONT 4733(-2684)

LM; lt golden brn, foss - partly oolitic, gd interpart w/vug por, brite yel fluor, SFO, spotted to even lt brn oil stn, gas bubbles, fair oil odor, gd cut

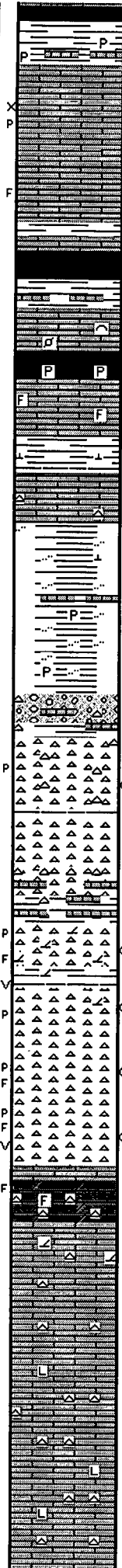
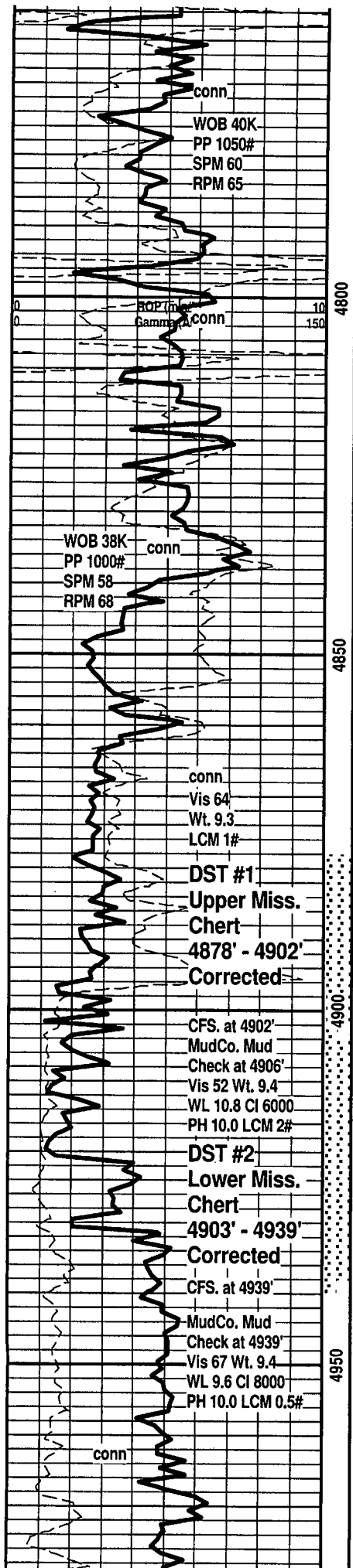
LM; tan to lt brn, buff, most dense, blocky, hd, no vis por, scat tan to amber cht, dull yel to no fluor, ns.

4 Unit Incr. Shale

10 Unit Incr. Shale

Gas Test at Extractor

18 Unit Incr. SHOW



SH; blk, platy, carb ip.

PAWNEE 4768(-2719)
 LM; off wh, wh, buff, foss to finely pelletal, fair interpart w/rare p-p por, scat lt brn spotted oil stn, med to brite yel fluor, VSSFO in rare pcs, trc gas bubbles, faint odor

LM; tan to off wh, cream, most dense, trc frags w/trc edge stn, lt yel fluor, no odor, most tite

SH; blk, carb ip, platy, trc gas

LM; tan to lt brn, scat well cem foss, much dense micrite, no vis por, no fluor, ns.

CHEROKEE SHALE 4808(-2759)
 SH; blk, carb ip, occ pyr, platy

LM; lt brn, tan, dense, blocky, rare well cem foss, dull yel min fluor, ns,

SH; med gy gm, some varic, calc

LM; tan to lt brn, blocky, v. hd, rare gy cht, tite

SH; varic, grn, gy, maroon, yel, fISS to flakey, rarely pyr, silty ip.

CONGL; nodular lmst, varic cht, some weath. cht w/spotted dk brn dead oil stn, scat fresh gy to opaque cht, much varic shale

REWKD. MISS. CHERT 4862(-2813)
 CHT; wh, off wh, pale grn, some varic cht, fresh and tripolite, fair p-p por, spotted med brn oil stn, no odor, few gas bubbles, no cut

CHT; off wh, pale grn, hd, much fresh cht, hd brn lmy cht, scat cse qtz xtals

CHT; wh, off wh, fresh w/much tripolite, grainy text, partly dolomitic, fair p-p w/rare vug por, trc frags, scat med to brite yel fluor, no FO., no odor, gas bubbles, weak/no cut

DST #1: Upr. Miss. Chert 4878' - 4902'
 CHT; wh, off wh, fresh and trip, fair to gd p-p por w/scat frags, much brite yel fluor, spotted lt brn stn, trc FO., fair odor, fair cut, gas bubbles

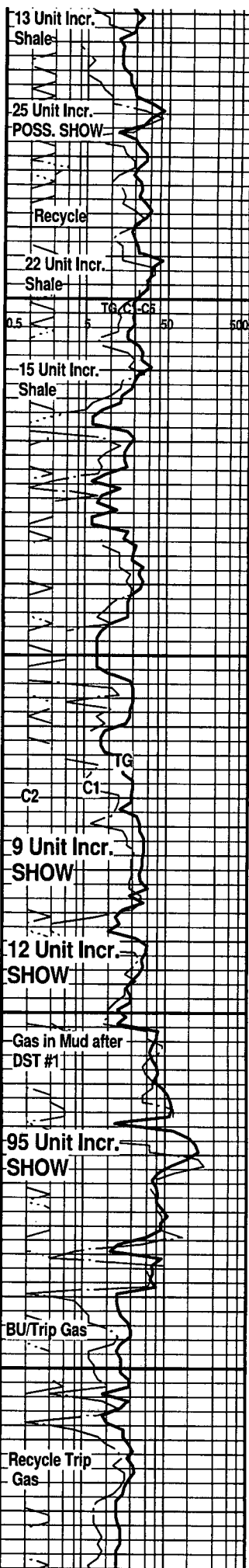
CHT; wh, off wh, fresh and tripolite, some gd p-p and vug - leached por, brite yel fluor, spotted lt brn live stn, SSFO, fair odor, gas bubbles

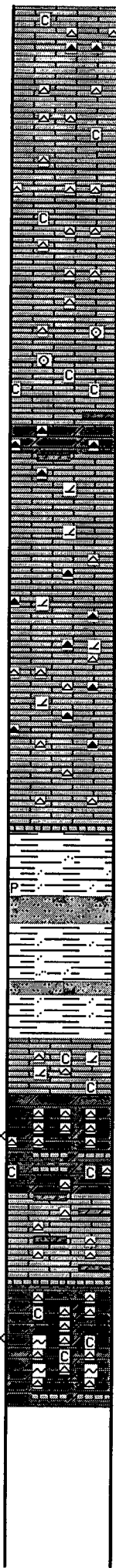
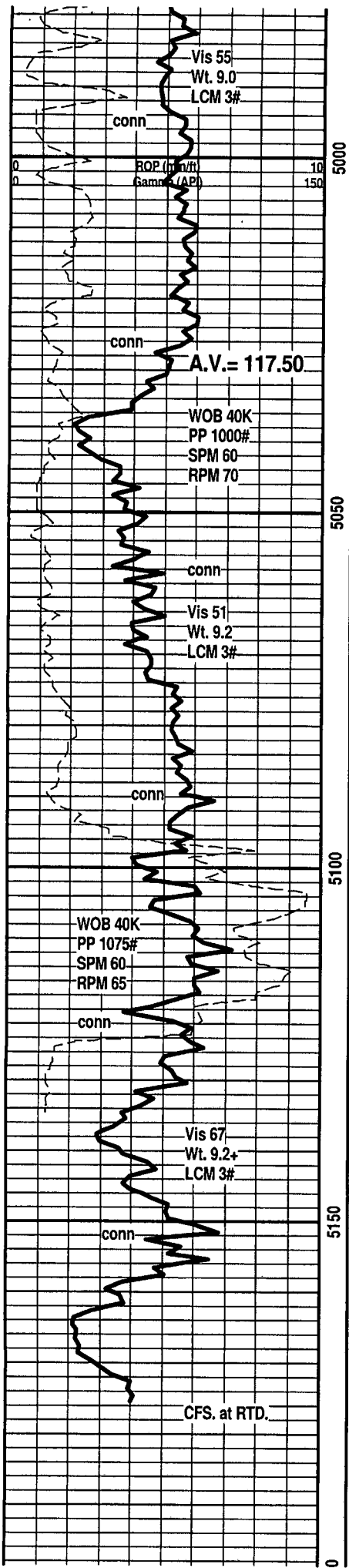
MISSISSIPPI LMST. 4922(-2873)
 DOL AND LMST; wh, gy, sucrosic, foss ip, much chert w/occ frags, poor interxn por, dull yel min fluor, no stn, ns.

LM; grn, gy gm, hd, blocky, interbdd dolomitic lmst w/sucrosic text, dense

DST #2: Lwr. Miss. Chert 4903' - 4939'
 Corrected Depths to LOG

LM; tan to off wh, occ pale gm, hd, most micritic to litho, cherty ip w/opaque off wh to pale brn-org, no vis por, ns.





LM; wh, off wh, rare lt gy, med xln w/scat chalky mtx, interbdd org cht, most dense, blocky, no fluor, no stn or odor, ns.

LM; off wh, wh, tan, med xln ip, cherty, dense, v. rare partly chalky mtx, no fluor, ns.

LM; dull red brn, foss ip, fxln, most dense, cherty ip, tite

LMY DOL; med gy to gy brn, lt gy, med xln, v. cherty w/med to occ dk gy/dove gy fresh cht, no vis por, occ sucrosic text, dull yel min fluor, no stn or odor, no gas kick, ns.

LM; lt to med brn, hd, partly dolomitic, chert w/much gy/dove gy cht, no vis por, no fluor, ns.

LM; med brn, med gy brn, interbdd dolomitic lmst and sandy text dolo w/fair interxln por, dull yel min fluor, scat gy cht, no stn or odor, ns.

KINDERHOOK SHALE 5095(-3046)

SH; med grn, gy grn, occ varic, firm, silty ip w/interbdd sltst.

SH; med gy grn, some varic shales, silty to sandy, firm

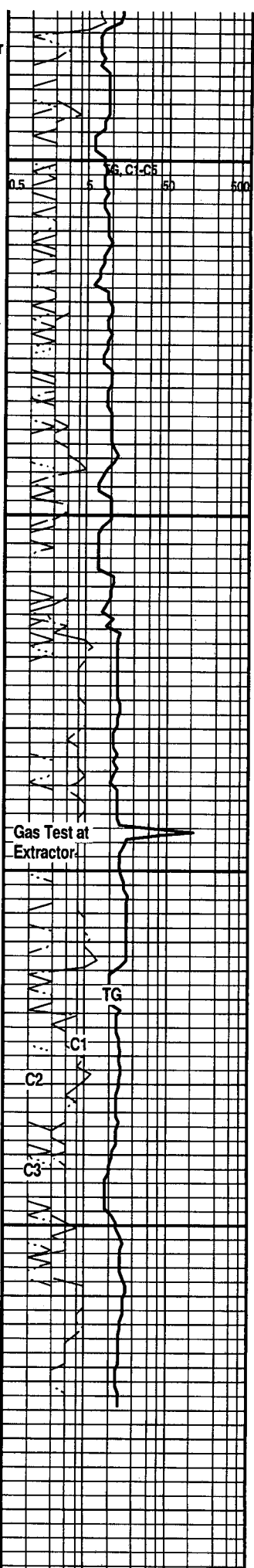
VIOLA 5124(-3075)

LM; off wh, dolomitic, some soft chalky mtx, dull yel fluor, no stn, ns.

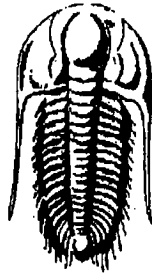
DOL; tan to buff, off wh, sucrosic, fair to gd interxln por, abnt wh foss to spicular cht, interbdd tan to cream dolomitic lmst, dull yel min fluor, no stn or odor, ns.

LM; tan to off wh, buff, med to cse xln, partly dolomitic, dense, scat wh cht, ns.

DOL; wh, buff, lt gy, sucrosic, very cherty w/dolomitic chert interbdd, fair to gd interxln por, chalky mtx ip, occ glau, dull yel min fluor, no stn or odor, no gas kick, barren, ns.



RTD. 5180' at 1:45 PM. 5/8/12



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Herman L Loeb LLC**

PQ Box 838
Lawrenceville IL 62439

ATTN: George Payne / Jon C

Canton "C" #3-20

20-30s-17w Kiowa,KS

Start Date: 2012.05.06 @ 09:55:53

End Date: 2012.05.06 @ 19:27:23

Job Ticket #: 47739 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.05.09 @ 14:55:03

Herman L Loeb LLC

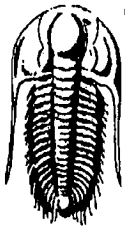
20-30s-17w Kiowa,KS

Canton "C" #3-20

DST # 1

Upper Miss

2012.05.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Herman L Loeb LLC

PO Box 838
Lawrenceville IL 62439

ATTN: George Payne / Jon C

20-30s-17w Kiowa, KS

Canton "C" #3-20

Job Ticket: 47739

DST#: 1

Test Start: 2012.05.06 @ 09:55:53

GENERAL INFORMATION:

Formation: **Upper Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:38:53
 Time Test Ended: 19:27:23

Test Type: Conventional Bottom Hole (Initial)
 Tester: Chris Staats
 Unit No: 47

Interval: **4882.00 ft (KB) To 4906.00 ft (KB) (TVD)**
 Total Depth: 4906.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2049.00 ft (KB)
 2040.00 ft (CF)
 KB to GR/CF: 9.00 ft

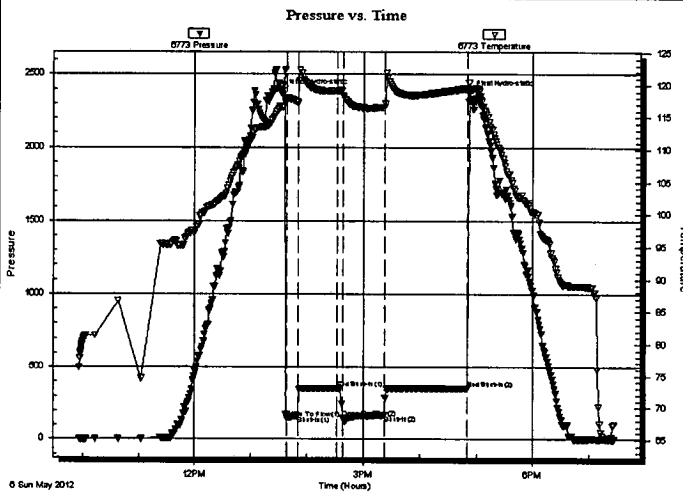
Serial #: 6773

Outside

Press@RunDepth: 165.78 psig @ 4883.00 ft (KB)
 Start Date: 2012.05.06 End Date: 2012.05.06
 Start Time: 09:55:58 End Time: 19:27:23

Capacity: 8000.00 psig
 Last Calib.: 2012.05.06
 Time On Btm: 2012.05.06 @ 13:33:08
 Time Off Btm: 2012.05.06 @ 16:52:23

TEST COMMENT: IF: Strong blow BOB 30 sec GTS 4 min { see gas flow report }
 ISI: No blow back
 FF: Strong blow BOB 3 sec
 FSI Weak surface blow back



PRESSURE SUMMARY

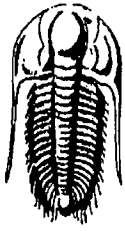
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2371.07	116.58	Initial Hydro-static
6	143.16	117.75	Open To Flow (1)
18	156.86	117.25	Shut-In(1)
59	350.28	119.10	End Shut-In(1)
65	144.65	118.34	Open To Flow (2)
110	165.78	116.59	Shut-In(2)
198	350.70	119.52	End Shut-In(2)
200	2366.70	119.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4872 GIP	0.00
190.00	M,W 40% mud 60% water	0.93

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	4.00	528.98
Last Gas Rate	0.75	16.50	482.65
Max. Gas Rate	0.75	16.50	482.65



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Herman L Loeb LLC

PO Box 838
Lawrenceville IL 62439

ATTN: George Payne / Jon C

20-30s-17w Kiowa, KS

Canton "C" #3-20

Job Ticket: 47739

DST#: 1

Test Start: 2012.05.06 @ 09:55:53

GENERAL INFORMATION:

Formation: **Upper Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:38:53
Time Test Ended: 19:27:23

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Staats
Unit No: 47

Interval: **4882.00 ft (KB) To 4906.00 ft (KB) (TVD)**
Total Depth: 4906.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2049.00 ft (KB)
2040.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6755 Inside

Press@RunDepth: psig @ 4883.00 ft (KB)

Start Date: 2012.05.06 End Date: 2012.05.06

Start Time: 09:51:57 End Time: 19:27:22

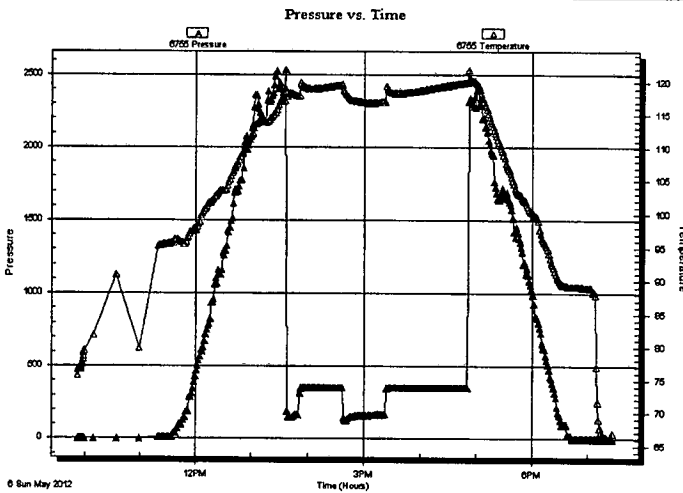
Capacity: 8000.00 psig

Last Calib.: 2012.05.06

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong blow BOB 30 sec GTS 4 min { see gas flow report }
ISI: No blow back
FF: Strong blow BOB 3 sec
FSI Weak surface blow back



PRESSURE SUMMARY

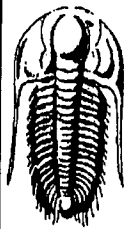
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4872 GIP	0.00
190.00	M,W 40% mud 60% w water	0.93

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	4.00	528.98
Last Gas Rate	0.75	16.50	482.65
Max. Gas Rate	0.75	16.50	482.65



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman L Loeb LLC

20-30s-17w Kiowa,KS

PO Box 838
Lawrenceville IL 62439

Canton "C" #3-20

Job Ticket: 47739

DST#: 1

ATTN: George Payne / Jon C

Test Start: 2012.05.06 @ 09:55:53

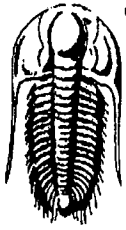
Tool Information

Drill Pipe:	Length: 4655.00 ft	Diameter: 3.80 inches	Volume: 65.30 bbl	Tool Weight: 2000.00 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 66.37 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4882.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	48.00 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			4859.00	
Shut In Tool	5.00			4864.00	
Hydraulic tool	5.00			4869.00	
Safety Joint	3.00			4872.00	
Packer	5.00			4877.00	24.00 Bottom Of Top Packer
Packer	5.00			4882.00	
Stubb	1.00			4883.00	
Recorder	0.00	6773	Outside	4883.00	
Recorder	0.00	6755	Inside	4883.00	
Perforations	20.00			4903.00	
Bullnose	3.00			4906.00	24.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L Loeb LLC

20-30s-17w Kiowa, KS

PO Box 838
Lawrenceville IL 62439

Canton "C" #3-20

Job Ticket: 47739

DST#: 1

ATTN: George Payne / Jon C

Test Start: 2012.05.06 @ 09:55:53

Mud and Cushion Information

Mud Type: Invert

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 9.18 in³

Resistivity: 0.00 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4872 GIP	0.000
190.00	M,W 40% mud 60% water	0.934

Total Length: 190.00 ft

Total Volume: 0.934 bbl

Num Fluid Samples: 0

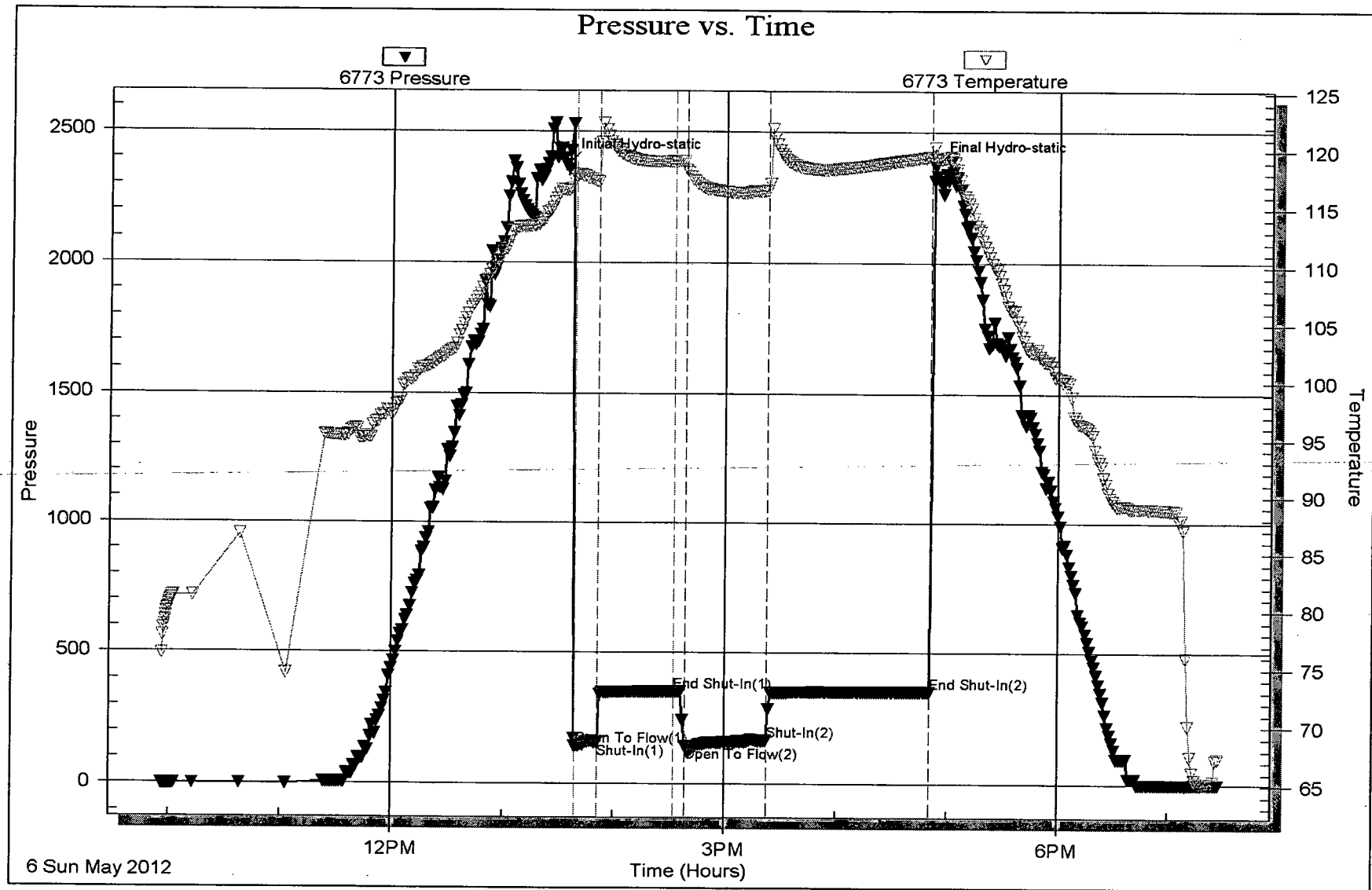
Num Gas Bombs: 0

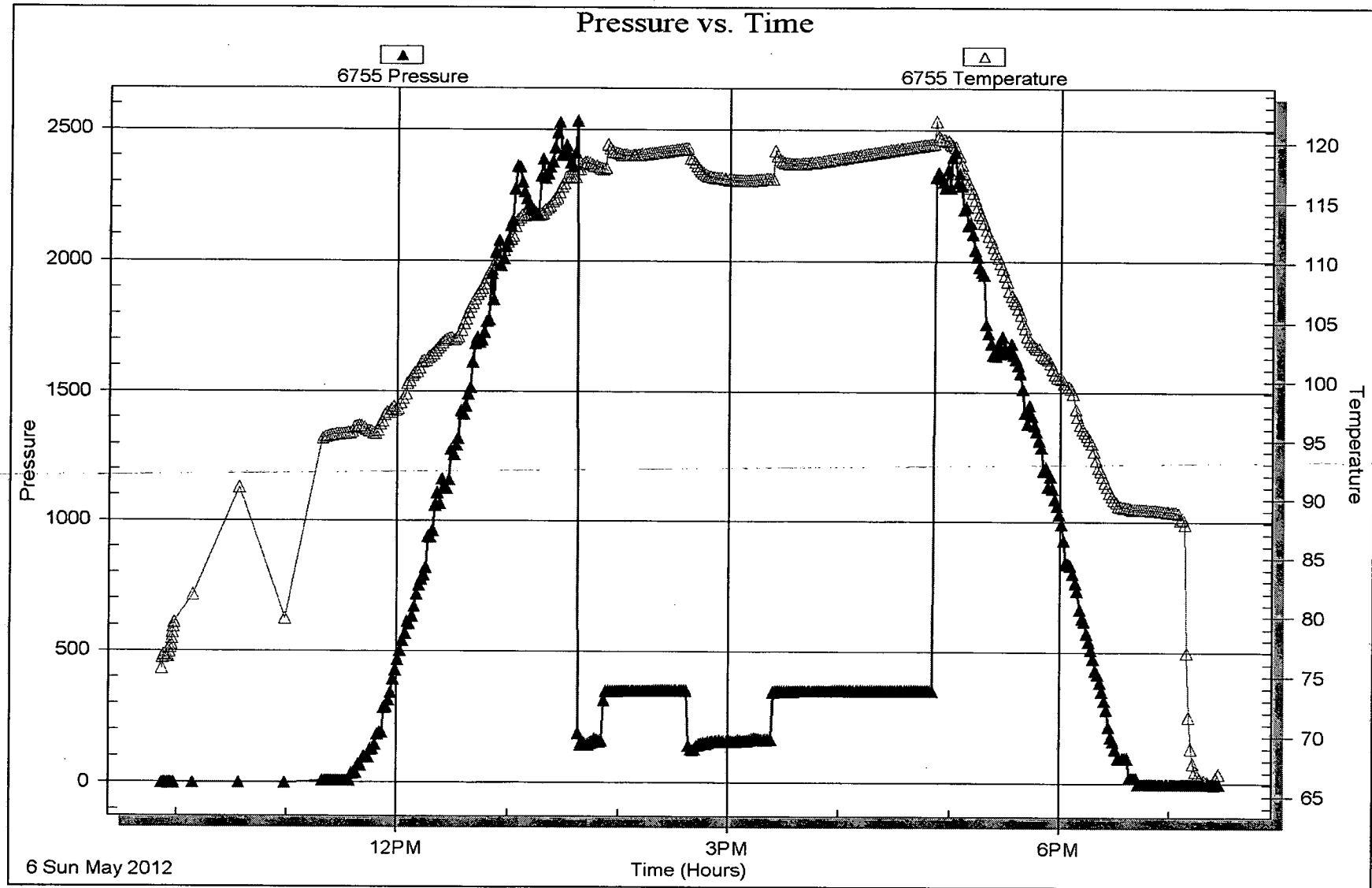
Serial #:

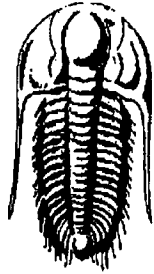
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Herman L Loeb LLC**

PO Box 838
Lawrenceville IL 62439

ATTN: George Payne / Jon C

Canton "C" #3-20

20-30s-17w Kiowa,KS

Start Date: 2012.05.07 @ 04:11:30

End Date: 2012.05.07 @ 12:21:30

Job Ticket #: 47740 DST #: 2

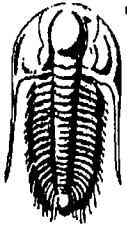
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.05.09 @ 14:45:08

Herman L Loeb LLC
20-30s-17w Kiowa,KS
Canton "C" #3-20
DST # 2
Lower Miss
2012.05.07



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Herman L Loeb LLC
 PO Box 838
 Lawrenceville IL 62439
 ATTN: George Payne / Jon C

20-30s-17w Kiowa, KS
Canton "C" #3-20
 Job Ticket: 47740 **DST#: 2**
 Test Start: 2012.05.07 @ 04:11:30

GENERAL INFORMATION:

Formation: **Lower Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:54:45
 Time Test Ended: 12:21:30

Test Type: Conventional Bottom Hole (Reset)
 Tester: Chris Staats
 Unit No: 47

Interval: **4907.00 ft (KB) To 4943.00 ft (KB) (TVD)**
 Total Depth: 4943.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

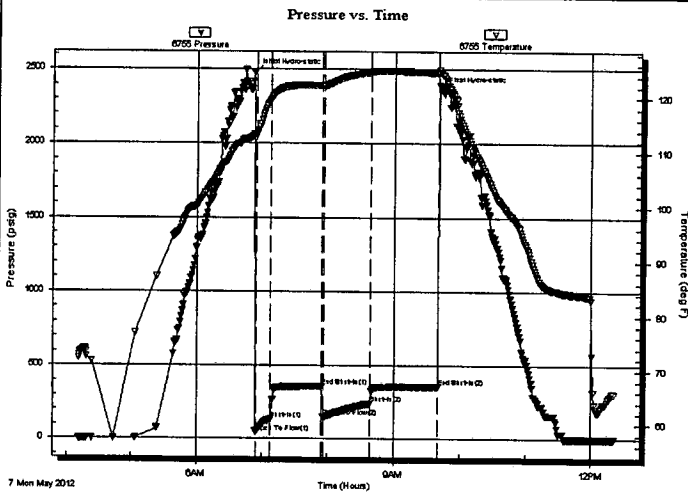
Reference Elevations: 2049.00 ft (KB)
 2040.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6755 Inside

Press@RunDepth: 239.49 psig, @ 4908.00 ft (KB)
 Start Date: 2012.05.07 End Date: 2012.05.07
 Start Time: 04:11:35 End Time: 12:21:29

Capacity: 8000.00 psig
 Last Calib.: 2012.05.07
 Time On Btm: 2012.05.07 @ 06:52:45
 Time Off Btm: 2012.05.07 @ 09:42:30

TEST COMMENT: IF: Strong blow BOB 3 min
 IS: Weak blow back 1 1/4"
 FF: Strong blow BOB 16 min
 FS: Weak blow back 1"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2475.66	113.41	Initial Hydro-static
2	40.45	113.33	Open To Flow (1)
16	133.92	119.77	Shut-In(1)
62	356.22	122.38	End Shut-In(1)
64	148.07	122.28	Open To Flow (2)
106	239.49	124.79	Shut-In(2)
167	355.82	124.69	End Shut-In(2)
170	2356.54	124.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	868' GIP	0.00
50.00	M,W 20% mud 80% water	0.25
450.00	WATER 100%	4.79

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman L Loeb LLC
 PO Box 838
 Lawrenceville IL 62439
 ATTN: George Payne / Jon C

20-30s-17w Kiowa,KS
 Canton "C" #3-20
 Job Ticket: 47740 DST#: 2
 Test Start: 2012.05.07 @ 04:11:30

GENERAL INFORMATION:

Formation: **Lower Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:54:45
 Time Test Ended: 12:21:30
 Interval: **4907.00 ft (KB) To 4943.00 ft (KB) (TVD)**
 Total Depth: 4943.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)
 Tester: Chris Staats
 Unit No: 47
 Reference Elevations: 2049.00 ft (KB)
 2040.00 ft (CF)
 KB to GR/CF: 9.00 ft

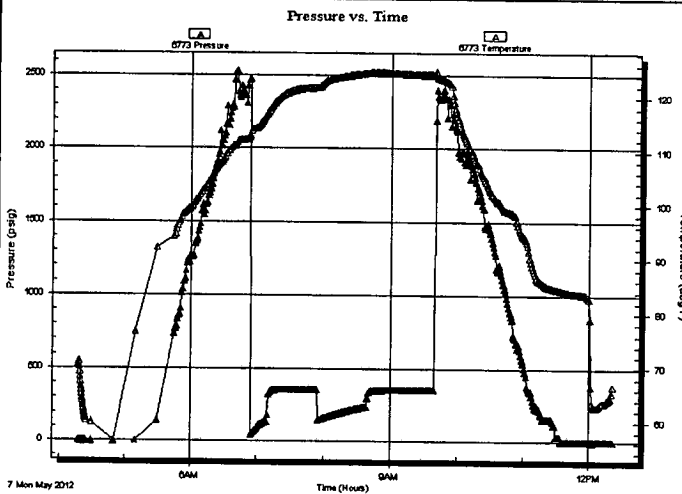
Serial #: **6773**

Outside

Press@RunDepth: psig @ 4908.00 ft (KB)
 Start Date: 2012.05.07 End Date: 2012.05.07
 Start Time: 04:17:20 End Time: 12:21:29

Capacity: 8000.00 psig
 Last Calib.: 2012.05.07
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong blow BOB 3 min
 IS: Weak blow back 1 1/4"
 FF: Strong blow BOB 16 min
 FS: Weak blow back 1"



PRESSURE SUMMARY

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

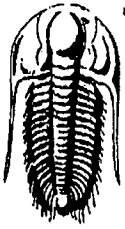
Recovery

Length (ft)	Description	Volume (bbl)
0.00	868' GIP	0.00
50.00	M,W 20% mud 80% water	0.25
450.00	WATER 100%	4.79

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman L Loeb LLC

20-30s-17w Kiowa, KS

PO Box 838
Lawrenceville IL 62439

Canton "C" #3-20

Job Ticket: 47740

DST#: 2

ATTN: George Payne / Jon C

Test Start: 2012.05.07 @ 04:11:30

Tool Information

Drill Pipe:	Length: 4687.00 ft	Diameter: 3.80 inches	Volume: 65.75 bbl	Tool Weight: 2000.00 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 98000.00 lb
			<u>Total Volume: 66.82 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 87000.00 lb
Depth to Top Packer:	4907.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4884.00	
Shut In Tool	5.00			4889.00	
Hydraulic tool	5.00			4894.00	
Safety Joint	3.00			4897.00	
Packer	5.00			4902.00	24.00 Bottom Of Top Packer
Packer	5.00			4907.00	
Stubb	1.00			4908.00	
Recorder	0.00	6773	Outside	4908.00	
Recorder	0.00	6755	Inside	4908.00	
Perforations	32.00			4940.00	
Bullnose	3.00			4943.00	36.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L Loeb LLC

20-30s-17w Kiowa, KS

PO Box 838
Lawrenceville IL 62439

Canton "C" #3-20

Job Ticket: 47740

DST#: 2

ATTN: George Payne / Jon C

Test Start: 2012.05.07 @ 04:11:30

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:

bbbl

Water Loss: 10.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	868' GIP	0.000
50.00	M,W 20% mud 80% water	0.246
450.00	WATER 100%	4.791

Total Length: 500.00 ft

Total Volume: 5.037 bbl

Num Fluid Samples: 0

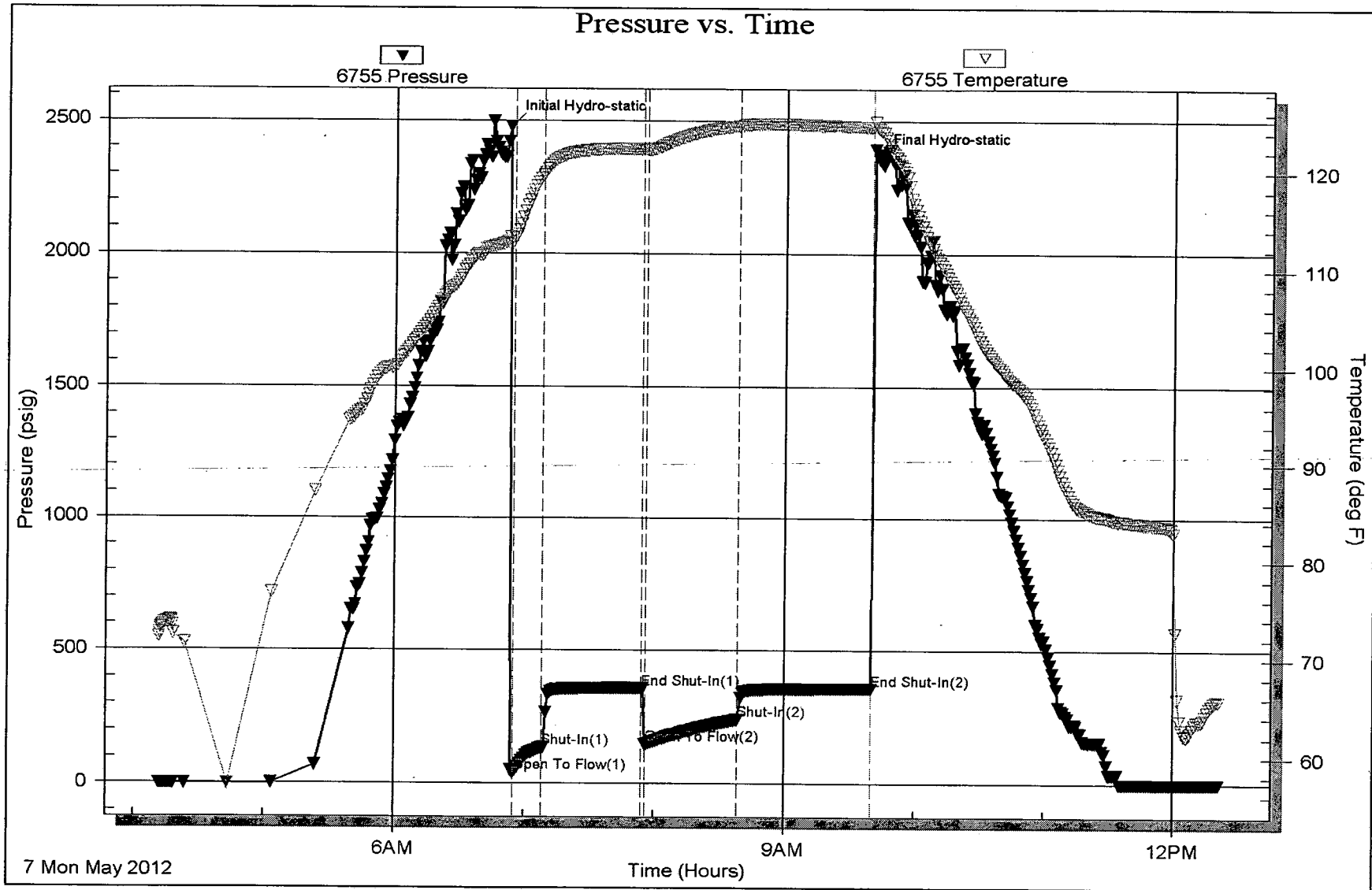
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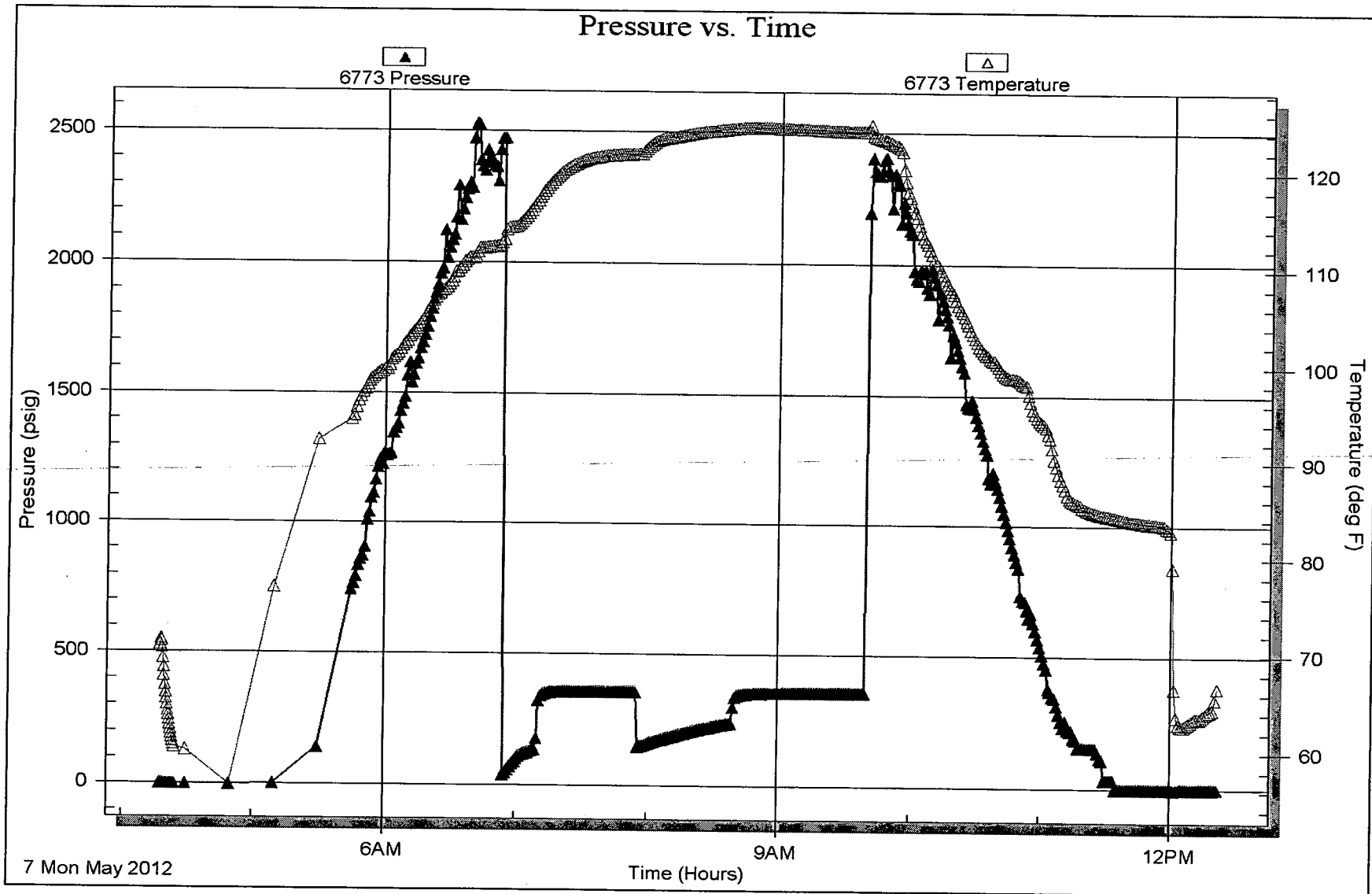
Serial #:

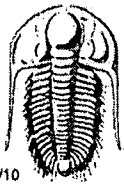
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47739

Well Name & No. Canton "C" #3-20 Test No. 1 Date 5-6-12
 Company Herman L. Loch LLC Elevation 2049 KB 2040 GL
 Address PO box 838 Lawrenceville IL 62439
 Co. Rep / Geo. George Payne / Son Christensen Rig Sterling Rig #2
 Location: Sec. 20 Twp. 30s Rge. 17N Co. Kiowa State KS

Interval Tested 4882 - 4906 Zone Tested Upper Miss
 Anchor Length 24' Drill Pipe Run 4655 Mud Wt. 9.3
 Top Packer Depth 4877 Drill Collars Run 217 Vis 51
 Bottom Packer Depth 4882 Wt. Pipe Run 0 WL 9.2
 Total Depth 4906 Chlorides 5,000 ppm System LCM 2#

Blow Description IF: STRONG blow BOB 30sec GTS 4min (see gas flow report)
IST: NO blow back

FF: STRONG blow BOB 3sec

FST: weak surface blow back

Rec	Feet of	%gas	%oil	%water	%mud
	<u>4872' GIP</u>				
Rec <u>190'</u>	Feet of <u>M.W</u>	%gas	%oil	<u>60</u> %water	<u>40</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 190' BHT 118° Gravity - API RW, 03 @ 72 °F Chlorides 100,000 ppm

- (A) Initial Hydrostatic 2371
- (B) First Initial Flow 143
- (C) First Final Flow 156
- (D) Initial Shut-In 350
- (E) Second Initial Flow 144
- (F) Second Final Flow 165
- (G) Final Shut-In 350
- (H) Final Hydrostatic 2366

- Test
- Jars
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 120 Miles 186
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1511

- T-On Location 9:30
- T-Started 9:55
- T-Open 13:38
- T-Pulled 17:00
- T-Out 19:30

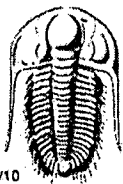
- Comments
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1511
- MP/DST Disc't

Initial Open 15
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 90

Approved By [Signature]

Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47740

Well Name & No. Canton "C" #3-20 Test No. 2 Date 5-7-12
 Company Herman L Loeb LLC Elevation 2049 KB 2040 GL
 Address PO box 838 Lawrenceville IL 62439
 Co. Rep / Geo. George Payne / Jon Christenson Rig Sterling Rig #2
 Location: Sec. 20 Twp. 30s Rge. 17W Co. Kiowa State KS

Interval Tested 4907-4943 Zone Tested Lower MISS
 Anchor Length 36' Drill Pipe Run 4687 Mud Wt. 9.4
 Top Packer Depth 4902 Drill Collars Run 217 Vis 52
 Bottom Packer Depth 4907 Wt. Pipe Run 0 WL 10.8
 Total Depth 4943 Chlorides 6,000 ppm System LCM 2#

Blow Description IF: STRONG blow BOB 3min
ISI: weak blow back 1 1/4"
FF: STRONG blow BOB 16min
FST weak blow back 1"

Rec	Feet of	%gas	%oil	%water	%mud
	<u>868' GIP</u>				
Rec <u>50'</u>	Feet of <u>M.W</u>	%gas	%oil <u>80</u>	%water <u>20</u>	%mud
Rec <u>450'</u>	Feet of <u>water</u>	%gas	%oil <u>100</u>	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 500' BHT 125° Gravity - API.RW .02 @ 68° F Chlorides 225,000 ppm

(A) Initial Hydrostatic <u>2475</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>3:50</u>
(B) First Initial Flow <u>40</u>	<input type="checkbox"/> Jars	T-Started <u>4:11</u>
(C) First Final Flow <u>133</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>6:54</u>
(D) Initial Shut-In <u>356</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>9:40</u>
(E) Second Initial Flow <u>148</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>12:15</u>
(F) Second Final Flow <u>239</u>	<input checked="" type="checkbox"/> Mileage <u>120 miles</u> 186	Comments
(G) Final Shut-In <u>355</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2356</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 15
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1511
 Total 1511
 MP/DST Disc't

Approved By [Signature] Our Representative [Signature]

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